CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, February 22, 1906.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S.), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close.	Work.	Place.	On file.	See issue.
Feb.				
24	Sewer system	Lawrence, Ind.	S.	2- 1
24	Water system	Lawrence, Ind.	S.	2- 1
*24	Lighting	Bridgeport, Conn.	S.	2-15
*28	Bridge	Camden, N J.	P. & S.	2-15
*28	Sluice gates, etc.	L Angeles, Cal.	P. S. & B. S.	1-25
*28	Cement	Washington, D. C.	S. & B. S.	2- 8
Mar.				
*1	Paving	Augusta, Ga.	S.	2-15
*1	Pumping plant	Harlingen, Tex.	S.	2- 1
3	Blasting ledge	Portsmouth, N.H.	S.	2- 8
*5	Elevator	Grand Rapids, Mich.	Data.	1-18
*5	Bridge	Boston, Mass.	S.	2- 8
*5	Piers, etc.	Brunswick, Ga.	P. & S.	2-22
*7	Sewer system	Gainesville, Fla.	S.	2- 8
*9	Cement	Nampa, Idaho	S.	2- 8
*10	Two snagboats	Vicksburg, Miss.	P. & S.	1-11
10	Light & water plant	Wynnewood, Ind. T.	P. & S.	2-22
*12	Lock	Rock Island, Ill.	P. S. & B. S.	2-22
12	Railway	Transcontinental Ry.	S.	2-22
*13	Powder tanks	Wash., D. C.	S. & B. S.	2- 8
*15	Canal	Oregon	P. & S.	2- 8
*16	Cement	Los Angeles, Cal.	S. & B. S.	2-15
*17	Pump house, etc.	Wash., D. C.	S.	2-22
*30	Bridge	Port Huron, Mich.	P. & S.	2-15
31	Quay wall	Bremerton, Wash.	S.	2-15
Apr.				
*1	Garbage disposal	Auburn, N.Y.	S.	2-22
*2	Port works	Chile	P. & S.	5- 4
5	Wharves	Manila, P. I.	P. & S.	12-14
—	Steel, etc.	Glendive, Mont.	P. & S.	2- 8

*Work advertised in Engineering News.

NOTE—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close.	Work.	Place.	On file.	See issue

LIGHT, HEAT AND POWER PLANTS.

Feb. 23. Light & water plant, Watonga, Okla. ... Feb. 15
Feb. 23. Generators, etc., Cincinnati, O. ... Feb. 8
Feb. 24. Power plant, Lima, O. ... Jan. 25
Advertised, Eng. News, Jan. 25.
Feb. 24. Lighting, Bridgeport, Conn. ... Feb. 15
Advertised, Eng. News, Feb. 15.
Feb. 24. Engine, etc., New York, N. Y. ... Feb. 15
Advertised, Eng. News, Feb. 15.
Feb. 26. Generators, etc., Winnipeg, Man. ... Jan. 18
Feb. 28. Light & power plant, Chatham, N. B. ... Feb. 22
Mar. 1. Lighting, Elkton, Md. ... Feb. 22
Mar. 5. Electric lighting, Orange, N. J. ... Feb. 8
Advertised, Eng. News, Feb. 8 and 15.
Mar. 6. Lighting plant, Crookston, Minn. ... Feb. 22
Mar. 10. Electric light & water plant, Wynnewood, Ind. T. ... Feb. 22
Apr. 4. Transmission line poles, Chicago, Ill. ... Feb. 8
Advertised, Eng. News, Feb. 8.
Apr. 16. Light & power plant, New York, N. Y. .. Feb. 22
No date. Gas pipe line, Cincinnati, O. ... Feb. 15

BRIDGES.

Feb. 23. Bridge, Roswell, N. Mex. ... Feb. 15
Feb. 27. Bridges, Kearney, Neb. ... Feb. 22
Feb. 28. Bridge, Camden, N. J. ... Feb. 22
Advertised, Eng. News, Feb. 15 and 22.
Feb. 28. Bridge, Lebanon, O. ... Feb. 15
Feb. 28. Bridge, Morrow, O. ... Feb. 15
Mar. 1. Bridge, New York, N. Y. ... Feb. 22
Mar. 5. Bridges, Leavenworth, Kan. ... Feb. 22
Mar. 5. Bridge, Boston, Mass. ... Feb. 8
Advertised, Eng. News, Feb. 8 and 15.
Mar. 6. Bridge, New Rockford, N. Dak. ... Feb. 8
Mar. 6. Bridge, Ft. Benton, Mont. ... Feb. 8
Mar. 6. Bridges, Loup City, Neb. ... Feb. 15
Mar. 6. Bridge, Washington, Ind. ... Feb. 22
Mar. 6. Bridges, Kingston, Mo. ... Feb. 22
Mar. 7. Bridge, Providence, R. I. ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1.
Mar. 7. Bridges, Tillamook, Ore. ... Feb. 15
Mar. 10. Bridge, Pedricktown, N. J. ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1
Mar. 12. Bridge, Ottawa, Ont. ... Feb. 22
Mar. 12. Bridge, Newport, Ind. ... Feb. 22
Advertised, Eng. News, Feb. 15.
Mar. 15. Bridge, Port Huron, Mich. ... Feb. 15
Mar. 30. Bridge, Port Huron, Mich. ... Feb. 15
Advertised, Eng. News, Feb. 15 to Mar. 15.
Mar. 31. Bridge, Custer, S. Dak. ... Jan. 25
Apr. 4. Bridge, Nevada City, Cal. ... Feb. 15

BUILDINGS.

Feb. 24. Building, Otoe, Okla. ... Feb. 1
Feb. 24. Plumbing, etc., Ft. Sam Houston, Tex. ... Feb. 1
Feb. 26. Elevators, Brooklyn, N. Y. ... Feb. 15
Feb. 26. Plumbing, etc., Brooklyn, N. Y. ... Feb. 15
Feb. 27. Hospital, Sheridan, Wyo. ... Feb. 8
Feb. 28. Plumbing, Washington, D. C. ... Feb. 1
Advertised, Eng. News, Feb. 1 to 22.
Feb. 28. Buildings, Philadelphia, Pa. ... Feb. 1
Advertised, Eng. News, Feb. 1 and 8.
Feb. 28. Framing, etc., Washington, D. C. ... Feb. 1
Advertised, Eng. News, Feb. 1 to 22.
Mar. 1. Pest-house, Evansville, Ind. ... Feb. 15
Mar. 1. Addition, etc., Fayetteville, N. C. ... Feb. 22
Mar. 5. Granite, Washington, D. C. ... Jan. 25
Advertised, Eng. News, Jan. 25 to Feb. 15.
Mar. 5. Elevator, Grand Rapids, Mich. ... Jan. 18
Advertised, Eng. News, Jan. 18 and 25.
Mar. 6. Doors, New Orleans, La. ... Feb. 15
Advertised, Eng. News, Feb. 15 and 22.
Mar. 7. Plumbing, Plattsburg, N. Y. ... Feb. 15
Mar. 10. Building, Minneapolis, Minn. ... Feb. 22
Mar. 13. Library, Indianapolis, Ind. ... Feb. 22
Mar. 14. Wiring, Ogden, Utah ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1.
Mar. 15. Heating, Ogden, Utah ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1.
Mar. 15. Church, Zanesville, O. ... Feb. 1
Mar. 26. Court-house, Fresno, Cal. ... Feb. 15
Mar. 30. School, Fullerton, Cal. ... Feb. 22
Apr. 1. Laundry, Warren, O. ... Feb. 22
Apr. 3. Building, Pierre, S. Dak. ... Feb. 15

WATER SUPPLY AND IRRIGATION.

Feb. 24. Water system, etc., Lawrence, Ind. ... Feb. 1
Feb. 24. Feed pump, etc., Delaware City, Del. ... Feb. 15
Feb. 24. Pipe, castings, Henderson, Ky. ... Feb. 15
Feb. 26. Extension water main, Portland, Me. ... Feb. 8
Feb. 26. Addition, pumping station, Lima, O. ... Feb. 22
Feb. 27. Water mains, Milwaukee, Wis. ... Feb. 22
Feb. 27. Iron pipe, Dayton, O. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Feb. 28. Reservoir, etc., Lewiston, Idaho ... Feb. 22
Advertised Eng. News, Feb. 15 and 22.
Feb. 28. Pipe, castings, Cleveland, O. ... Feb. 22
Feb. 28. Water meters, Cleveland, O. ... Feb. 22
Feb. 28. Water mains, New York, N. Y. ... Feb. 22
Mar. 1. Pump, Duluth, Minn. ... Feb. 22
Mar. 1. Pipe, hydrants, etc., Hebron, Ill. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Mar. 1. Pumping plant, Harlingen, Tex. ... Feb. 1
Advertised, Eng. News, Feb. 1 and 8.
Mar. 2. Curb boxes, Youngstown, O. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Mar. 2. Gate valves, Youngstown, O. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Mar. 2. Hydrants, Youngstown, O. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Mar. 2. Cast-iron pipe, Youngstown, O. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Mar. 2. Water meters, Youngstown, O. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Mar. 2. Corporation cocks, Youngstown, O. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Mar. 2. Pig lead, Youngstown, O. ... Feb. 22
Advertised, Eng. News, Feb. 22.
Mar. 2. Boilers, Atlantic City, N. J. ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1.
Mar. 3. Bonds, Osceola, Ark. ... Feb. 22
Advertised, Eng. News, Feb. 15 and 22.
Mar. 3. Water pipe, Washington, D. C. ... Feb. 15
Advertised, Eng. News, Feb. 15 and 22.
Mar. 5. Water main, Fargo, N. Dak. ... Feb. 22
Mar. 6. Pump, boiler, etc., Meaford, Ont. ... Feb. 22
Mar. 6. Water tank, Parkridge, Ill. ... Feb. 1
Mar. 14. Concrete conduit, Richmond, Va. ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1.
Mar. 17. Water-works plant, Arcadia, Fla. ... Feb. 22
Advertised, Eng. News, Feb. 22 to Mar. 15.
Mar. 17. Pump house, machinery, Wash., D. C. .. Feb. 22
Advertised, Eng. News, Feb. 15 and 22.
Mar. 20. Water system, Apalachicola, Fla. ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1.

SEWERAGE.

Feb. 22. Sewer system, Lexington, N. C. ... Feb. 1
Advertised, Eng. News, Feb. 1 to 15.
Feb. 24. Sewer system, Lawrence, Ind. ... Feb. 1
Feb. 24. Sewers, Kirkwood, Mo. ... Feb. 22
Advertised, Eng. News, Feb. 15.
Feb. 26. Extension, sewer, Sacramento, Cal. ... Feb. 22
Feb. 26. Sewer, Lansing, Mich. ... Feb. 22
Feb. 26. Sewer, Washington, D. C. ... Feb. 15
Feb. 27. Sewer system, Cloverdale, Cal. ... Feb. 1
Feb. 27. Sewers, Cleveland, O. ... Feb. 22
Mar. 1. Sewer, New York, N. Y. ... Feb. 22
Mar. 5. Sewer, Emmetsburg, Ia. ... Feb. 22
Mar. 5. Sewers, drains, Jacksonville, Fla. ... Feb. 1
Mar. 6. Sewer system, Toronto, Ont. ... Feb. 1
Advertised, Eng. News, Feb. 1 to 15.
Mar. 6. Sewer, Salem, O. ... Feb. 22
Mar. 7. Sewer system, Gainesville, Fla. ... Feb. 8
Advertised, Eng. News, Feb. 8 to Mar. 1.
Mar. 10. Sewer, Norwood, O. ... Feb. 22
Mar. 15. Sewer, Woodstock, Vt. ... Feb. 22
Mar. 19. Sewers, Cobleskill, N. Y. ... Feb. 22
Mar. 20. Sewers, Apalachicola, Fla. ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1.
Mar. 25. Sewers, Green Bay, Wis. ... Feb. 22

STREETS AND ROADS.

Feb. 23. Asphalt resurfacing, Minneapolis, Minn. .. Feb. 1
Feb. 23. Paving materials, Minneapolis, Minn. ... Feb. 1
Feb. 28. Paving, Ann Arbor, Mich. ... Feb. 22
Feb. 28. Paving, Elyria, O. ... Feb. 22
Mar. 1. Brick & asphalt paving, S. Bend, Ind. .. Feb. 22
Mar. 1. Brick paving, Des Moines, Ia. ... Feb. 22
Mar. 1. Paving, grading, New York, N. Y. ... Feb. 22
Mar. 1. Pike road, Clinton, Tenn. ... Feb. 15
Mar. 1. Paving, curbing, Manistee, Mich. ... Feb. 15
Mar. 1. Paving, Augusta, Ga. ... Feb. 15
Advertised, Eng. News, Feb. 15 and 22.
Mar. 2. Asphalt paving, Des Moines, Ia. ... Feb. 15
Mar. 2. Asphalt paving, Des Moines, Ia. ... Feb. 22
Mar. 3. Asphalt paving, Seattle, Wash. ... Feb. 15
Mar. 5. Gravel roads, Rockville, Ind. ... Feb. 15
Mar. 5. Gravel roads, Decatur, Ind. ... Feb. 15
Mar. 5. Granite paving, Atlanta, Ga. ... Feb. 22
Mar. 5. Repaving, Great Falls, Mont. ... Feb. 22
Mar. 5. Brick paving, Montgomery, Ala. ... Feb. 22
Mar. 6. Macadamizing, New York, N. Y. ... Feb. 22
Mar. 6. Macadam road, Versailles, Ind. ... Feb. 15
Mar. 7. Grading, Cleveland, O. ... Feb. 22
Mar. 8. Macadam roads, Madison, Ind. ... Feb. 22
Mar. 13. Asphalt paving, Crookston, Minn. ... Feb. 8
Mar. 15. Brick paving, Corning, N. Y. ... Feb. 22
Advertised, Eng. News, Feb. 22 and Mar. 1.
Mar. 15. Road, Peekskill, N. Y. ... Feb. 8
Advertised, Eng. News, Feb. 8.
Mar. 19. Paving, Cobleskill, N. Y. ... Feb. 22
Mar. 20. Paving, Lake Charles, La. ... Feb. 22
Apr. 2. Road, Leavenworth, Wash. ... Feb. 8
No date. Grading, Baltimore, Md. ... Feb. 15
Advertised, Eng. News, Feb. 15 and 22.
No date. Sidewalks, Oberlin, Kan. ... Feb. 22

MISCELLANEOUS CONTRACTS.

Feb. 23. Dredging, Galveston, Tex. ... Jan. 25
Advertised, Eng. News, Jan. 25 to Feb. 15.
Feb. 23. Filling, Galveston, Tex. ... Jan. 25
Advertised, Eng. News, Jan. 25 to Feb. 15.
Feb. 23. Ditch, St. Cloud, Minn. ... Feb. 15
Feb. 23. Ferryboat materials, New York, N. Y. ... Feb. 15
Feb. 23. Stone for bulkhead, New York, N. Y. ... Feb. 15
Feb. 23. Drainage ditch, Fairfield, Ill. ... Feb. 22
Feb. 26. Levee, Sacramento, Cal. ... Feb. 22
Feb. 26. Excavating, Council Bluffs, Ia. ... Feb. 22
Feb. 27. Hose wagon, Crookston, Minn. ... Feb. 1
Feb. 28. Sluice gates, etc., Los Angeles, Cal. ... Jan. 25
Advertised, Eng. News, Jan. 25 to Feb. 8.
Feb. 28. Cement, Wasnington, D. C. ... Feb. 8
Advertised, Eng. News, Feb. 8 to 22.
Feb. 28. Ditch, etc., Lewiston, Idaho ... Feb. 22
Advertised, Eng. News, Feb. 15 and 22.
Mar. 2. Soft pig lead, Youngstown, O. ... Feb. 22
Mar. 2. Dredging, Savannah, Ga. ... Feb. 1
Advertised, Eng. News, Feb. 1 to Mar. 1.
Mar. 2. Repairing wall, Savannah, Ga. ... Feb. 1
Advertised, Eng. News, Feb. 1 to Mar. 1.
Mar. 3. Blasting ledge, Portsmouth, N. H. ... Feb. 8
Mar. 3. Supplies, Panama ... Feb. 22
Mar. 3. Gun carriage, Washington, D. C. ... Feb. 22
Mar. 5. Piers, dredging, etc., Brunswick, Ga. ... Feb. 22
Advertised, Eng. News, Feb. 15 and 22.
Mar. 5. Stone crusher, etc., St. Cloud, Minn. ... Feb. 15
Mar. 6. Tunnel, Boston, Mass. ... Feb. 15
Advertised, Eng. News, Feb. 15 and 22.
Mar. 6. Dredging, Rock Island, Ill. ... Feb. 8
Mar. 7. Flushing machines, Baltimore, Md. ... Feb. 22
Mar. 8. Tunnel, Detroit, Mich. ... Feb. 22
Mar. 9. Cement, Nampa, Idaho ... Feb. 8
Advertised, Eng. News, Feb. 8 to Mar. 1.
Mar. 10. Electric railway, Baltimore, Md. ... Feb. 8
Advertised, Eng. News, Feb. 8 to Mar. 1.
Mar. 10. Two snagboats, Vicksburg, Miss. ... Jan. 11
Advertised, Eng. News, Jan. 11-18, Feb. 1-8.
Mar. 10. Railway construction, Canadian Pac. Ry. Feb. 22
Mar. 12. Railway, Transcontinental Ry. ... Feb. 22
Mar. 12. Steel bars, Glendive, Mont. ... Feb. 22
Advertised, Eng. News, Feb. 15 to Mar. 8.
Mar. 12. Lock, Rock Island, Ill. ... Feb. 22
Advertised, Eng. News, Feb. 15 to Mar. 8.
Mar. 13. Powder tanks, Washington, D. C. ... Feb. 8
Advertised, Eng. News, Feb. 8 and 15.
Mar. 14. Ditches, Cleveland, O. ... Feb. 22
Mar. 15. Canal, Oregon ... Feb. 8
Advertised, Eng. News, Feb. 8.
Mar. 15. Rehandling machine, Philadelphia, Pa. .. Feb. 15
Advertised, Eng. News, Feb. 15 to Mar. 8.
Mar. 15. Railway, Wisconsin Rapid Transit Co. .. Feb. 15
Mar. 16. Cement, Los Angeles, Cal. ... Feb. 15
Advertised, Eng. News, Feb. 15 to Mar. 8.
Mar. 22. Garbage crematory, Oswego, N. Y. ... Feb. 22
Advertised, Eng. News, Feb. 22 to Mar. 15.
Mar. 26. Dredges, Panama ... Feb. 22
Mar. 31. Quay wall, Bremerton, Wash. ... Feb. 15
Apr. 1. Garbage disposal, Auburn, N. Y. ... Feb. 22
Advertised, Eng. News, Feb. 22 to Mar. 8.
Apr. 2. Port works, Chile (Foreign) ... May 4
Advertised, Eng. News, April 1, 1906.
Apr. 3. Ditch, Spirit Lake, Ia. ... Jan. 18
Apr. 5. Wharves, Manila, P. I. ... Dec. 14
Apr. 9. Wharf, Guantanamo, Cuba ... Feb. 22
Advertised, Eng. News, Feb. 15 and 22.
May 1. Steel dock, Chile (Foreign) ... Nov. 9
No date. Dyke, Lincoln, Neb. ... Jan. 18
Advertised, Eng. News, Jan. 18.
No date. Steam shovel excavation, Towanda, Pa. .. Feb. 1
No date. Cement, Chicago, Ill. ... Feb. 1
No date. Steel, cast-iron, etc., Glendive, Mont. .. Feb. 8
No date. Grading, Maltimore, Md. ... Feb. 15
Advertised, Eng. News, Feb. 15 and 22.
No date. Concrete hotel, Porto Rico ... Feb. 15
Advertised, Eng. News, Feb. 15.

CIVIL SERVICE EXAMINATIONS.

Feb. 27. Mech. Draftsman, New York, N. Y. ... Feb. 8
Advertised, Eng. News, Feb. 8 and 15.
Mar. 7. Laboratory Asst., Washington, D. C. ... Feb. 22
Mar. 14. Aid, Washington, D. C. ... Feb. 8
Mar. 17. Architectural Designer, Albany, N. Y. .. Feb. 22
Mar. 17. Asst. Engineer, Albany, N. Y. ... Feb. 22
Mar. 17. Auditor, Highway Accts., Albany, N. Y. .. Feb. 22
Mar. 17. Bldg. Inspector, Albany, N. Y. ... Feb. 22
Mar. 17. Chief Engineer, Albany, N. Y. ... Feb. 22
Mar. 17. Highway Insp., Albany, N. Y. ... Feb. 22
Mar. 21. Topographic Dftsman, Washington, D. C. Feb. 22

PROPOSED WORK

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

Address, **WAINWRIGHT RANDALL**
Editor Construction News

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ABILENE NORTHERN. — Edward S. Hughes, of Abilene, Pres., writes us, under date of Feb. 12, that the contract for building this railway has been awarded to the FIDELITY CONSTRUCTION CO., of Fort Worth, Tex. Financial arrangements are made. The line is to be 40 miles long, from Abilene to Anson and thence to Stamford or Hamlin. H. J. Bradshaw, of Abilene, is Ch. Engr. Notice of incorporation was given in Engineering News last week.

BUFFALO & SUSQUEHANNA.—We are officially advised that the construction of the proposed $1,000,000 tunnel through Hog Back Mountain has been indefinitely postponed. Noted on Jan. 25. H. Herden, Galeton, Pa., is Ch. Engr.

BATON ROUGE, HAMMOND & EASTERN. —Sol. Wexler, Pres., New Orleans, La., informs us that contract will be let at once for construction of this line from Baton Rouge to Hammond and Covington, La., and Nicholson, Miss., 93 miles. Surveys are completed and right-of-way obtained. Capital is secured. A. C. Fiske is Ch. Engr., Hibernia Bank Bldg., New Orleans, La.

BLACK MOUNTAIN RY.—A report from Crab Orchard, Va., states that the CALLAHAN CONSTRUCTION CO., of Knoxville, Tenn., has been awarded contract by the Black Mountain Railway Co. for building 17 miles of line through the Crab Orchard valley to the Imboden mines. Subcontractors now at work on the line are WEBB, FLEMMONS & CO., R. L. ESKRIDGE & CO., GEORGE B. DOGGETT & CO., CALHOUN, OATS & CO., and BIRD, BOSTICK, WEBB & CO.

BROOKVILLE & MAHONING.—W. W. Henshey, Ch. Engr., Brookville, Pa., writes us that contract for the construction of about 21 miles of railroad (involving about 500,000 cu. yds. excavation, 200,000 cu. yds. borrowed embankment, 200,000 cu. yds. bridge and culvert masonry, 700,000 lbs. of 12-in., 18-in. and 24-in. culvert pipe, and 1,100 tons of steel bridges and viaducts) was awarded to the MILLER CONSTRUCTION CO., of Franklin, Pa. This is for work between Brookville, Pa., and Brockwayville, Pa.; the six miles additional from Brookville to Knoxdale is now partly graded and is to be completed by company's forces.

BEAUMONT & SARATOGA TRANSPORTATION CO.—J. H. Broome, Ch. Engr., Voth, Tex., informs us that right-of-way is secured and surveys made for 12 miles for this line. It will be 22 miles long, from Voth to Black Creek, via Saline, and from Pelt to Saratoga. Capital is secured. No contracts will be let for the construction, which will be done by the company's forces. W. C. Tyrrell, Beaumont, Tex., is Pres.

BROWNSVILLE, HIDALGO & NORTHERN.—The board of directors has authorized the immediate survey and location of the entire line. It was also recommended that 50 miles of the main line, running from Brazos, Santiago to Hidalgo, through Brownsville, be located first, in order that there be no unnecessary delay in actual construction. Noted on Jan. 25.

CINCINNATI, BLUFFTON & CHICAGO.—John C. Curtis, Gen. Mgr., Portland, Ind., informs us that company is now operating 30 miles of the proposed 75 miles. It is uncertain whether the remaining distance will be completed this year. The line will eventually extend from Huntington to Union City, Ind. It now runs from Bluffton to Reiffsburg, Petroleum, Nottingham, Flat, Balbec, Pennville, Corkwell and Portland.

CARUTHERSVILLE & WESTERN. — A charter has been granted this company in Missouri to build a railroad from Caruthersville to Derring, in Pemiscot County, a distance of twelve miles. The offices of the company will be at Caruthersville. The incorporators include J. M. Blower, of Chicago; and H. C. Schultz and S. F. Reynolds, of Caruthersville, Mo.

CANADIAN PACIFIC.—Bids are asked by J. W. Leonard, Mgr. of Construction, Toronto, Ont., until March 10, noon, for all work in connection with track laying, bridging and ballasting on the Sudbury branch between Romford and French River Crossing (40 miles). Plans and specifications can be seen at the office of the Division Engineer of Construction, 112-118 King St. West, Toronto.

DENVER & RIO GRANDE.—J. W. WHITE and W. T. GRIDER, of La Grange, Ore., have been given a contract to furnish this railway with 50,000 ties for proposed extension.

DUE WEST.—R. S. Galloway, Pres., Due West, S. C., informs us that one line, from Due West to Donalds, S. C., 4½ miles, has been surveyed and most of right-of-way secured. Capital has also been secured for this short line, but arrangements are now being made for a railway from Abbeville, by way of Due West to Anderrson. The contracts for one of these two routes will be let soon.

DULUTH, RAINY LAKE & WINNIPEG.—This company has awarded a contract to the MINNESOTA LAND & CONSTRUCTION CO., of Duluth, Minn., for building a 100-mile extension from Ashawa, Minn., to Beaudette, where the D., R. L. & W. Ry. will connect with the Canadian Northern Ry. M. A. Murphy is Supt., at Virginia, Minn. As previously noted in Engineering News, the name of the Duluth, Virginia & Rainy Lake Ry., which is in operation from Rainy Junction, near Virginia, Minn., north to Ashawa, 24½ miles, has been changed to the Duluth, Rainy Lake & Winnipeg, and amended articles of incorporation have been filed in Minnesota. It is the purpose of the new company to build an extension from Ashawa northto Winnipeg, Man. The old company had projected an extension from Ashawa to Koochiching, 70½ miles. Grading is completed from Ashawa north to Pelican Lake, 16 miles. The company has ordered 8,000 tons of steel rails for delivery early in 1906. The line is being operated by the Minnesota Land & Construction Co., David O. Anderson, Secy., pending construction. Wirt H. Cook is Pres., Duluth, Minn.

GULF, SANTA FE & NORTHWESTERN.—The contract for building the branch from Canyon City south to Plainview, Tex., 58 miles, has been awarded to A. MOORE, of Newton, Kan. It is reported that work is to begin at once. A. J. Hemstreet is Engr.-in-Charge, at Texico, Tex.

GREEN BAY, OSHKOSH, MADISON & SOUTHWESTERN.—C. H. Hartley, Gen. Mgr., Oshkosh, Wis., states that "this company will build a railroad from Madison to North Crandon, Wis., 220 miles, passing through Columbus, Beaver Dam, Waupun, Fond du Lac, Oshkosh, Neenah, Menasha, Appleton, Black Creek, Shawano and Crandon. Surveys have been completed from North Crandon to Appleton, 117 miles, and the line is under survey from Appleton to Madison, 103 miles. Grading is in progress from Shawano to Gresham, 14 miles. Contracts are to be let in a few weeks' time for 100 miles of additional line. McDONNELL, O'CONNOR & CO., of Grand Rapids, Mich., have the contract for the 14 miles under construction. C. R. Smith is Pres., Menasha, Wis.; L. P. Le Barron, Resident Engr., Shawano, Wis.; Leander Choate is vice-Pres., Oshkosh, Wis.; W. K. Rideout, Treas.; R. H. Edwards, Secy., and F. H. Josslyn, Assistant Secy., all at Oshkosh, Wis." Under date of Feb. 14, Mr. Hartley wrote us that "our plan at the present time is to let the contract for grading a minimum of 65 miles about April 1, with a strong probability of a contract being let for a minimum of 110 miles."

KENTUCKY MIDLAND.—The contract for building 14-mile section of this line (which will run from Madisonville to Central City, Ky., 26 miles) has been awarded to the GRIGSBY, STEGER & ATKINSON CONSTRUCTION CO., of Bonham, Tex. Work will begin immediately. M. M. Wheeler is Ch. Engr., at Earles, Ky.

LIBERTY-WHITE R. R.—J. Turner Burke, Ch. Engr., McComb City, Miss., writes us that bids will be received and contracts let at once for building from McComb City to Holmesville. W. M. White is Gen. Mgr. and vice-Pres. It is planned to extend the line from McComb City to Liberty (now in operation), to Natchez, Holmesville and Columbia, a total of 105 miles. Right-of-way is secured and surveys made from McComb City to Holmesville. Capital is secured. Surveys have not been completed yet from Liberty to Natchez and from Holmesville to Columbia.

MOREHEAD & NORTH FORK.—We are officially informed that location surveys are now being made for this railroad, from Morehead to Lower Lick and to Paragon, Ky., twelve miles. E. W. Hess is Ch. Engr., at Clearfield, Pa. William M. McCormick is Pres., Philadelphia, Pa. One tunnel, 1,300 ft. long, is to be built through Clack Mountain. Contracts will be let about March 10.

SUGAR CREEK & NORTHERN.—The contract for building this road, a cut-off for the Wheeling & Lake Erie, from Bolivar to Orrville, O., 22 miles, has been awarded to J. C. CARLAND, of Toledo, O. Work is to begin at once. Robert Blickensderfer, Canton, O., is Ch. Engr. Noted on Jan. 18.

TRANSCONTINENTAL RY. — Bids are asked by P. E. Ryan, Secy. to Commissioners of the Transcontinental Ry., Ottawa, Ont., until noon, March 12, for constructing the following sections, which are to be completed on or before Sept. 1, 1907: (1) District "F": From a point near Winnipeg to a point known as Peninsula Crossing, near the junction point of the Fort William branch of the Grand Trunk-Pacific Ry., a distance of about 245 miles. (2) District "B": From a point at north end of the Quebec Bridge & Ry. Co.'s bridge, near Quebec, to a point near La Tuque, a distance of about 150 miles. (3) A steel viaduct about 3,000 ft. long across Cap Rouge Valley, in District "B," near Quebec. Plans, profiles and specifications may be seen in the office of H. D. Lumsden, Ch. Engr. of the Commissioners, at Ottawa, Ont.; also in the office of A. E. Hodgins, District Engr., at Kenora, Ont., for the section of District "F"; and for the section of District "B" in the office of A. E. Doucet, District Engr., at Quebec. Specifications are on file at office of Engineering News, New York. Noted last week, under "Grand Trunk Pacific Ry."

VIRGINIA & CAROLINA COAST.—Contracts are reported to have been let by this company to the HEDGES-GOSNEY CONSTRUCTION CO., and to the FARRATT CONSTRUCTION CO., both of Springfield, Mo., for building its proposed line from Roanoke, Va., south 123 miles. More than 20 miles of the line will be over waterways, covered either by trestles or by transfer boats.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—We are officially advised that the Boston-Lowell Interurban R. R. project has been financed and that surveys are completed. It is planned to build a 23-mile line from Boston to Somerville, Medford, Arlington, Lexington, Burlington, Bedford, Billerica, Tewksbury and Lowell. No contracts have been let yet. Charles F. Remington, 50 Congress St., Boston, Mass.

TORRINGTON, CONN.—We are advised by Morris C. Webster, Pres. of the Hartford & Torrington Tramway Co., of New Britain, Conn., that right-of-way and charter has been secured. A survey was made for this railway over four years ago. There is no immediate prospect of its construction. It will be twelve miles long, from Torrington to Harwinton, Plymouth and Terryville village.

BROOKLYN, N. Y.—We are officially advised that contracts will be let as soon as franchise is granted for construction of the monorail line from Flatbush and Atlantic Aves. to Coney Island. The project is under way by the Behr Monorail Co., 82 Beaver St., New York, of which F. B. Behr is Ch. Engr. Company has applied for necessary permission to the Rapid Transit Commission.

CAMDEN, N. J.—It is reported that extensive improvements other than the electrification of the West Jersey & Seashore branch of the Pennsylvania R. R., between Camden and Atlantic City, have been decided upon by the railroad management. A freight line is to be constructed around Camden, at a cost of nearly $1,000,000; freight terminals will be built at Cape May, and other electrical work is under consideration. The funds necessary for the proposed improvements were included in the $6,800,000 appropriation made by the directors of the West Jersey & Seashore road at recent meeting. A second appropriation will be ordered by the directors within a few months. This will cover additional electrification of the Seashore road, plans for which are being worked out by engineers. Before the work is completed, it is the object of the management to have an elaborate electric railway system throughout the New Jersey coast, in connection with a steam line for passenger and freight traffic between terminal plants. This project was fully noted in Engineering News Construction News supplement on Dec. 28.

NORTHUMBERLAND, PA.—D. A. Hegarty, 30 Broad St., New York, Ch. Engr. of Northumberland County Traction Co., writes us that construction work on the company's extension from East Lewisburg to Northumberland, nine miles, will be done by the company's own construction force.

PHILADELPHIA, PA.—R. I. D. Ashbridge, Ch. Engr. of the New Jersey Short Line, is reported as saying that surveys have been completed from Elizabethport to Milltown, N. J., 19 miles, and that grading is in progress from Elizabethport to Rahway River, 3.27 miles. The RAILROAD CONSTRUCTION CO. has the contract for masonry, bridges, grading, etc. The company's headquarters are at 605 Land Title Bldg., Philadelphia.

GREENVILLE, PA.—Edwin Ripley, Pres. of the Shenango Midland Ry. Co., Greenville, Pa., states that this company intends to construct an electric line from New Castle to Meadville, Pa., 60 miles, passing through Pulaski, West Middlesex, Wheatland, Sharon, Sharpville, Clarksville, Shenango, Greenville and Conneaut Lake. Work will be commenced in the spring. The capital stock is $120,000. Officers: Edwin Ripley, Pres., Greenville, Pa.; C. G. Glatzau, Treas., Greenville, Pa. J. D. White is Ch. Engr., Pittsburg, Pa.

STROUDSBURG, PA.—We are officially advised that the Stroudsburg & Wind Gap Electric St. Ry. will be 15 miles long and will run from Stroudsburg to Suydersville, Sciata, Saylorsburg and Wind Gap. John B. Williams is Pres., and John L. Westbrook is Ch. Engr., both of Stroudsburg. Right-of-way is secured.

HAGERSTOWN, MD.—We are officially informed by John M. Wolff, of Waynesboro, Pa., that the Blue Ridge Ry. Co. has been incorporated to be a link in Maryland, of the Chambersburg, Greencastle & Waynesboro St. Ry. Co.'s line, when that company builds its extension from Pen-Mar to Monterey. The Blue Ridge line will be three miles long. It may not be constructed for a year or two. D. C. Weller, Waynesboro, Pa., is Ch. Engr.

CUMBERLAND, MD.—J. A. McHenry, Secy.-Treas. of the Cumberland & Mt. Savage Ry. Co. of Allegany County, according to report, has stated that the company simply has been incorporated and has obtained valuable franchise to build its road on the public highway, eight miles. No ordanization has been effected, but a satisfactory survey has been made, and all costs connected with organization and franchises have been paid.

BRUNSWICK, MD.—The Brunswick, Broad Run & Wolfsville Railroad & Power Co. has been incorporated in Maryland to build a railroad from a point near Brunswick to Wolfsville, Md., via Petersville, Burkittsville and Broad Run, about 20 miles. The capital stock is $30,000, with the privilege of increasing it to $200,000. Incorporators: C. C. F. Bent, William Schnauffer, Levin West, O. Horsey and Lewis H. Bowlus.

CORINTH, MISS.—The Corinth & Shiloh Electric Ry. Co. plans to construct an electric railway through the streets of Corinth and to the Tennessee River, touching at a point near the Shiloh National Park, at or near Pittsburg Landing. Work on the survey is promised as soon as weather permits. The incorporators are: Abe Rubel, Simon Rubel, W. J. Lamb and M. T. Bynum, of this city; and Joseph Lennon, of Chicago. The capital stock is $250,000.

HUMBOLDT, TENN.—I. H. Dungan, Pres., Missouri, Tennessee & Georgia R. R. Co., Humboldt, Tenn., informs us that surveys will be made and right-of-way secured for this line as soon as weather permits. L. M. Williams, of Newbern, Tenn., is Ch. Engr. The line will extend from Humboldt to Gibsonville, Brazil, Eaton, Stokes and Bonicord, 35 miles.

PARIS, KY.—John T. Collins, of North Middleton, Ky., informs us that a company will be organized soon to secure necessary capital for constructing a railway from Paris to North Middleton and [illegible] miles. Survey is now in [illegible] way is practically secure[illegible] oline motive power will b[illegible] man, Lexington, Ky., is [illegible]

PLATTEVILLE, WIS [illegible] informed that the Sout[illegible] Ry. Co. will let contra[illegible] of its line in April. C[illegible] way are secured and sur[illegible] line is to be about 38 [illegible] from Platteville to La[illegible] Green, Wis., and to Du[illegible] lena, Ill. O. A. Fox, [illegible] the promoter.

OSKALOOSA, IA.—We [illegible] vised that surveys are [illegible] tric line to be built by th[illegible] ton Electric Ry. Co. from [illegible] con, White City and Bu[illegible] Right-of-way is mostly o[illegible] ject is a municipal ente[illegible] city of Oskaloosa. Har[illegible] Oskaloosa, is Pres. Lic[illegible] Louis, Mo., are the Engr[illegible]

CORSICANA, TEX.—J[illegible] Mgr. of the Central Texa[illegible] Corsicana, writes us that [illegible] which will connect Corsic[illegible] Palestine, will be 74 miles [illegible] not yet ready to award co[illegible]

HOUSTON, TEX.—F. L. [illegible] Houston-Galveston Interur[illegible] way Co., has stated that w[illegible] soon on the company's line[illegible] nect Houston and Galveston[illegible] dition to this, a line will [illegible] Porte twelve miles. The [illegible] repair shops will be locate[illegible] company will furnish power [illegible] officers are: J. O. Ross, [illegible] Henry House, Houston, [illegible] Dana, Houston, Secy.; J. S. Rice, Houston, Texas.

SOUTH McALESTER, IND. T.—We are officially informed than contracts probably will be awarded soon for building the Crystal Springs Electric Ry., Water, Light & Power Co.'s line. It will be about 100 miles in length and will run from South McAlester to Stonewall and Crystal Springs. No surveys have been made or right-of-way obtained at this time. Several financial propositions are under consideration. It is estimated that 12,800 HP. can be developed [illegible] E. Guier, of Stonewall, Ind. T., is interested.

SALT LAKE CITY, UTAH.—E. A. Vail, Ch. Engr. of the Salt Lake & Ogden Ry. Co., Salt Lake City, advises us that an extension will be built from Layton, Utah, to Ogden, 12 miles. Motive power for this railway is to be changed from steam to electricity. Construction is now in progress. Right-of-way is secured within four miles of Ogden, where no attempt has been made to obtain it, owing to a possible change in survey. Our line requires 150-ft. bridge over Weber River. Work is done under our foreman. No contracts on this part. Simon Bamberger, of Salt Lake City, is sole owner and has the capital to complete the construction any time he chooses."

PORTLAND, ORE.—William H. Hurlburt, Pres. of the Oregon Water Power & Ry. Co., writes us that contract has been let to ARCHIE MASON for building an 8½-mile extension from Cedarville through Fairview and Troutdale, to the Columbia River. George L. Brown, Ch. Engr., at Portland.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

ESSEX JUNCTION, VT.—It is reported that the Peoples Electric Light & Power Co. will install a 400 KW., 6,600-volt, 3-phase, 60-cycle generator. Contracts will be placed this month for two turbine generators, switchboard apparatus, and three 50-KW., 6,600-2,200-volt transformers. S. A. Brownell is Mgr.

BROOKLINE, MASS.—Town has voted to appropriate $35,000 for a consolidated heating, lighting and power plant to serve the public buildings. Alexis H. French is Town Engr.

PITTSFIELD, MASS.—The Pittsfield St. Ry. Co. will erect a new power-house, 100 x 100 ft., on Seymour St. The company has awarded a contract to the BROWN-CORLISS CO., Corliss, Wis., for two 825 HP. vertical engines. The total cost is estimated at $100,000 for machinery and buildings. Charles K. Stearns, Engr., 93 Federal St., Boston, prepared plans, as noted on Jan. 25.

BRIDGEPORT, CONN.—Specifications are on file at office of Engineering News, New York, Washington and Chicago, for furnishing and maintaining street lamps and lighting the streets of this city with gas or gasoline for a period of five years. Bids are asked until Feb. 24, as advertised in Engineering News.

NEW YORK, N. Y.—Bids are asked until 11 a. m., April 16, for construction of an electric light and power system at Fort Wood, New York Harbor. G. C. F. Bennett, Const. Q. M.

NEW YORK, N. Y.—Plans have been filed with the Building Department for the electric power station for the terminal station of the Pennsylvania, New York & Long Island Railroad tunnel, to be built opposite the passenger terminal in the south side of 31st St., east of Eighth Ave. It is to be of granite, and will be three and four stories high, with a basement, cellar and subcellar. It will front 161.4 ft. in the street and will have a depth of 98 ft. There will be an office floor, a floor for the electric fans and storage batteries, a floor for the economizer and coal bins and a switchboard gallery. The designer of the power station is the Westinghouse-Church-Kerr Co., 10 Bridge St., New York. $300,000 is the estimated cost.

UTICA, N. Y.—M. Jesse Brayton, Secy. Utica Gas & Electric Co., has stated that the company would develop the water powers owned by it at Trenton Falls and Prospect at once. Later the power at Ells[illegible] on the Black River, will be developed. The capacity of the several stations as planned will be as follows: Trenton Falls, 16,000 HP.; Prospect

Station, 7,000 HP.; station at Enos, 3,000 HP. The plans for the Prospect Station and dam have been entirely completed.

HOOSICK FALLS, N. Y.—The Hoosick Falls Illuminating Co. expects to increase the size of its steam plant in the near future and will add 200 KW. to the generator capacity, according to reports. E. E. Larrabee is Mgr.

ALBANY, N. Y.—The board of contract and supply is reported to have awarded the contract for lighting the city by electricity for a term of five years, beginning June 21, to the MUNICIPAL GAS CO., at 27 cts. per lamp per day, or $98.55 per lamp per year, which includes repairs, cleaning and replacing broken globes.

TRENTON, N. J.—It is stated that the lowest bid opened on Feb. 6 for lighting the streets and public places by electricity was submitted by the Public Service Corporation. Its bid for 400 arc lamps of 2,000 c. p. 3-year contracts was $92.77 per lamp per year, and for 5 years $85 per lamp.

JERSEY CITY, N. J.—G. Gibbs, 10 Bridge St., New York, has plans in progress for a power-house to be erected here for the Pennsylvania R. R. Co. The building will be brick and steel, 100 × 360 ft., and four stories in height. The capacity of the plant will be about 2,000 KW.

PITTSBURG, PA.—The Wabash Pittsburg Terminal Railroad Co. has appointed the Westinghouse-Church-Kerr Co., Westinghouse Bldg., Pittsburg, Consult. Engr. in the erection of the electric power and refrigerating plant at Liberty Ave. and Ferry St. Contracts will be let at once, according to reports. Mentioned on Feb. 8.

ROBINSON, PA.—It is reported that the contract for the construction of a large power plant for the South Penn Oil Co. at Robinson has been awarded to the RICHARDS CONSTRUCTION CO., of Clarksburg, W. Va. Work is to be commenced at once.

ELKTON, MD.—Bids are asked until 2 p. m., March 1, for lighting the streets of this town. Elmore Delbert, Pres. H. Frank Witworth, Secy. Bd. Comrs.

SALISBURY, MD.—The Salisbury Light, Heat & Power Co. contemplates increasing its equipment by the addition of two 75-KW. 125-volt direct connected dynamos. R. B. Rhodes is Mgr.

WASHINGTON, D. C.—Plans have been nearly completed for the erection of a large power plant on the eastern branch of the Potomac River for the use of the Potomac Electric Power Co. J. G. WHITE & CO., 49 Exchange Pl., New York, have received the contract for the construction of the plant, though probably much of the contract will be sublet. It is understood that the cost will be about $800,000, and it will be completed by the beginning of next November. The new plant will be erected on part of the old Sheriff tract, comprising 12 acres of land, lying east of the eastern branch, with a frontage of 300 ft. on Bennings Road. The power-house will have a capacity of 18,000 HP., and will be capable of enlargement. A sub-station will be built with a frontage of 100 ft. on I St., between 14th and 15th, where the alternating current will be converted into direct current.

RADFORD, VA.—Radford Water-Power Co., T. L. Pickle, Supt. and Gen. Mgr., will install within the next 90 days a new alternator of 300 KW. capacity at its plant and within the next twelve months add another of like capacity, according to reports. The addition of another 36-in. twin water-wheel is also contemplated. Noted last week.

CHARLOTTE, N. C.—The Southern Power Co. has let the contract for the digging of a canal from the dam across the Catawba River to the power-house, 1¼ miles below, to the SIMONS MYGRANT CO., of Charleston, S. C. It will require several months to build the canal, and it will represent an outlay of $75,000. The projected canal is to be 100 ft. × 180 ft. in width and 20 ft. deep. The water will have a fall of 72 ft. from the river dam to the power-house.

WALHALLA, S. C.—James Thompson, Secy. Oconee Water, Light & Power Co., of Walhalla, writes us that he desires to correspond with parties for the financing of its project, or with a contractor to finance and construct. The company expects to supply water to Walhalla and West Union, and light and power to Walhalla, West Union, Seneca, Earley, Liberty and Central. The water plant is a gravity system, and there will be required piping, electric machinery, four 100,000-gallon tanks, 135 ft. high, dam, etc. The plan will involve an expenditure of about $200,000. All the power is already contracted for.

EDGEFIELD, S. C.—See under Water Supply.

MIAMI, FLA.—According to reports, W. W. Prout and associates have applied for franchise for the establishment of gas plant. It is stated that a company has been organized with $100,000 capital stock to operate same.

FLORENCE, ALA.—Northern Alabama Gas Co. is erecting addition to its gas plant. About $15,000 will be invested, and plant will have capacity of 26,000,000 cu. ft. of gas. B. F. Walters, Philadelphia, Pa., is Engr.-in-Charge.

ELKHART, IND.—Bids will be received about March 1, according to reports, by the Elkhart Gas Co., E. D. Conger, Treas., Grand Rapids, Mich., for the construction of a concrete and steel gas holder. William Alden Smith is Pres., Grand Rapids, Mich.

LOCKPORT, ILL.—We are officially advised that the following bids were received Feb. 14 by the board of trustees, Sanitary Dist. of Chicago (J. J. Bryan, Clk.) for the construction of a canal lock, movable dams and fender wall for the water power development near this place: Hayes Bros. Co., Janesville, Wis., $318,335; M. H. McGovern, Chamber of Commerce Bldg., Chicago, $344,500; Page & Shnable, 188 Madison St., Chicago, $354,045; Joseph J. Duffy, Lockport, Ill., $355,317. Detailed bids will be given in Engineering News next week under Contract Prices.

AFTON, IA.—We are officially advised that the contract for a lighting plant, bids for which were opened Feb. 12, was awarded to the COMMERCIAL ELECTRICAL SUPPLY CO., St. Louis, Mo., at $3,233. Other bids were as follows: Nebraska Electric Co., Omaha, Neb., $4,000; Berggren Electric Co., St. Paul, Minn., $4,800; Western Electrical Co., Omaha, Neb., $5,150; Joseph A. Bortenlanger, Omaha, Neb., $4,245; M. A. Harrison, Osceola, Ia., $3,500.

MINNEAPOLIS, MINN.—The Twin City Rapid Transit Co. will ask for bids soon for the construction of a transformer station at Lake St. and Columbus Ave. It will be 50 × 50 ft. of cement brick. Cost, about $10,000. D. W. Dozier is Ch. Engr.

CROOKSTON, MINN.—Bids are asked by the board of commissioners of Polk County until 10 a. m., March 6, for installing a lighting plant at the county jail building.

HOLTON, KAN.—See under Water Supply.

YELLVILLE, ARK.—H. G. UMVERSAGT, of Omaha, Neb., is reported to have secured the contract for constructing water-works and an electric light plant at Yellville.

ENNIS, TEX.—Council has granted a franchise to W. A. Ross, of Los Angeles, Cal., for a gas plant, to cost $25,000, for this city. Work to be completed and the plant in operation within twelve months.

WYNNEWOOD, IND. T.—We are officially advised that the time for receiving bids for the electric light and water-works plant for this place has been extended to March 10. J. O. Swingley, Mayor. Noted on Feb. 1.

CRIPPLE CREEK, COLO.—City has awarded a contract to the GOLD BELT ELECTRIC CO. for lighting the city for a period of five years. William T. Wallace, Canon City, is Gen. Mgr. of the company.

FULLERTON, CAL.—The Edison Electric Co., of Los Angeles, has decided to make this place a substation for Orange and a portion of Los Angeles counties. A power-house will be erected shortly and three transformers installed. A. L. Selig is Mgr., at Los Angeles.

VALLICITA, CAL.—Press reports state that the UNION CONSTRUCTION CO. has secured the contract for the entire construction of the plant of the Stanislaus Electric Power Co. The headquarters of the construction company will be located at Vallicita, about eight miles from the power site.

CHATHAM, N. B.—Bids are asked until noon, Feb. 28, for constructing an electric light and power station for this town. James Nicol, Mayor. P. J. MacIntyre, Town Clk.

GRAND FALLS, N. B.—The concrete dam proposed to be constructed by the Grand Falls Power Co. will be 540 ft. long between abutments and 28 ft. high. It is understood that the Provincial Government will shortly approve of the plans.

WINNIPEG, MAN.—CROSSLEY BROS., Manchester, Eng., have been awarded the contract for a gas producer plant for the high pressure system, at $114,156.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

NEEDHAM, MASS.—It is reported that the New York, New Haven & Hartford Railroad Co. will erect a bridge across its tracks at High Rock St. Edward Gagel, New Haven, Conn., is Ch. Engr.

PROVIDENCE, R. I.—Bids are asked by Walter F. Slade, Comr. Pub. Wks., until 11 a. m., March 7, for a steel superstructure to replace the present fixed spans of the Point St. bridge over Providence River, Providence, R. I. (Advertised, Engineering News.)

CANASTOTA, N. Y.—The contract for erecting bridge at North Main St. was awarded to the CANTON BRIDGE CO., Canton, O.

NEW YORK, N. Y.—Bids are asked by Louis F. Haffen, Pres. Boro. Bronx, until 11 a. m., March 1, for widening bridge over New York & Harlem Railroad Co.'s tracks at 177th St., Boro. of Bronx.

BINGHAMTON, N. Y.—We are advised that bids will soon be asked by the Board of Aldermen for repairing Court St. bridge, at a cost of about $70,000. S. M. Baird is City Engr.

CAMDEN, N. J.—Bids are asked by George W. Whyte, Chn. Com., until 2 p. m., Feb. 28, for constructing a Strauss trunnion bascule bridge across Cooper's Creek, at Federal St., Camden, N. J. (Advertised, Engineering News.) Plans and specifications are on file at office of Engineering News, New York.

PEDRICKTOWN, N. J.—Bids are asked by William M. Carter, Engr., until 1.30 p. m., March 10, for the construction of new draw-bridge over Old Man's Creek, at Pedricktown, N. J. (Advertised, Engineering News.)

PHILADELPHIA, PA.—We are officially informed that bids were opened Feb. 14 for construction of six bridges, and contracts awarded to lowest bidders, as follows; (a) for entire work of Allens Lane bridge over Wissahickon Creek; (b) new west approach to Spring Garden St. bridge over Schuylkill River; (c) Sedgley Ave. bridge over Philadelphia & Reading Railway Co.'s tracks; (d) Wyoming Ave. bridge over Philadelphia, Newtown & New York Railroad Co.'s tracks; (e) substructure of 25th St. under connecting railway; (f) Front St. bridge over main tracks of connecting railway: New Jersey Bridge Co., Fuller Bldg., New York, (b) $95,924, (c) $33,899, (f) $37,007; Owego Bridge Co., Owego, N. Y., (b) $92,110; (c) $30,910, (f) $37,910; Richard Walsh, 5922 Tacony St., Philadelphia, (b) $102,481; (c) $28,385, (d) $31,827, (e) $44,367, (f) $33,735; McGaw & Gray, 710 Penn Bldg., Philadelphia, (a) $27,000, (b) $107,300, (c) $34,000, (d) $36,800, (e) $55,900, (f) $37,000; Wm. H. Millard, 800 Arcade Bldg., Philadelphia, (a) $26,400, (b) $99,500, (c) $34,800, (d) $36,300, (e) $53,650, (f) $37,775; David McMahon, Germantown, Pa., (a) $24,400, (d) $36,400; Wm. L. Gallagher & Co., 1413 Porter St., Philadelphia, (a) $29,400, (c) $35,173, (d) $40,632, (e) $63,900; Thomas Collins, Germantown, Pa., (a) $25,200; Jacob Molenkof, Johnson St., Philadelphia, (a) $18,900, (c) $29,800, (f) $34,800; John A. Carter, 610 Penn Square Bldg., Philadelphia, (a) $29,338, (e) $63,784; J. H. Louckheim, 328 Mint Arcade Bldg., Philadelphia, (a) $24,000, (d) $39,000 (e) $53,000; C. O. Struse & Sons, Walnut Lane, Manyunk, (a) $31,888; F. J. Boas, 14 South Broad St., Philadelphia, (a) $25,231; Henderson & Co. (Ltd.), 1221 Arch St., Philadelphia, (a) $25,970; Reilly & Riddle, 520 Perry Bldg., Philadelphia, (a) $25,000, (c) $35,478, (d) $39,993, (e) $63,385; Hawman Bros., Reading, Pa., (a) $27,940, (d) $37,771; Appleton & Burrell, 1204 Chancellor St., Philadelphia, (a) $29,900; Smedley Construction Co., 712 Stephen Girard Bldg., Philadelphia, (d) $31,476; Filbert Paving & Construction Co., 818 Penn Bldg., Philadelphia, (d) $38,295; American Paving & Construction Co., 211 South Ninth St., Philadelphia, (d) $36,941; M. & J. B. McHugh, 607 Witherspoon Bldg., Philadelphia, (d) $40,500, (f) $35,500; McCormick & Co., 14 South Broad St., Philadelphia, (d) $33,475; J. W. Allison Co., 1628 Land Title Bldg., Philadelphia, (d) $48,000; Eyre Construction Co., 900 Arcade Bldg., Philadelphia, (f) $39,028; David Peoples, 1000 Betz Bldg., Philadelphia, (e) $63,000, (f) $44,000; Sparks & Evans, 14 South Broad St., Philadelphia, (e) $62,156.

RICHMOND, VA.—The Richmond & Chesapeake Bay Railway Co. will build a viaduct 2,900 ft. long on its proposed road from this place north to Ashland. C. P. E. Burgwyn, Mutual Bldg., Richmond, is Ch. Engr.

MARLINTON, W. VA.—Bids are asked by S. L. Brown, County Clk., until March 6 for building a steel bridge over Stamping Creek.

WAYNESVILLE, N. C.—Bids will be asked soon by W. N. Noland for building an iron bridge 200 ft. long over Pigeon River, in Haywood County.

MONTICELLO, GA.—Bids will be asked soon by E. H. Jordan for building a steel or wood bridge, 800 ft. long, over Murder Creek, in Jasper County.

ASHVILLE, ALA.—The contract for erecting the Atkins St. bridge was awarded to the NASHVILLE BRIDGE CO., Nashville, Tenn. Cost, $7,750.

BIRMINGHAM, ALA.—Bids will soon be advertised for erecting seven steel bridges in various parts of the county. The largest of the bridges will be built across the Warrior River, at Jasper's Ford.

BATON ROUGE, LA.—It is reported that the Illinois Central Railroad Co. and the Southern Pacific Co. will erect a bridge across the Mississippi River here, at a cost of about $1,000,000.

CARTHAGE, TENN.—The contract for erecting bridge across Cumberland River, here, was awarded to the W. T. YOUNG BRIDGE CO., Nashville, Tenn.

MARYVILLE, TENN.—A committee has been appointed to determine when bids shall be asked for building a bridge over Little River, near Rockford, Tenn. Clay Cunningham is County Clk.

OWENSBORO, KY.—The Chicago, Indianapolis & Evansville Railroad Co. is making plans for a bridge on the line of its proposed road over the Ohio River, at this place.

CLEVELAND, O.—Plans have been completed and figures are being taken for a bridge over Clark Ave., for the Cleveland, Cincinnati, Chicago & St. Louis Railway Co. G. W. Kittredge, Cincinnati, is Ch. Engr.

AUBURN, IND.—Bids will soon be asked for the construction of concrete and steel bridges in this county. H. D. Boozer is County Audr.

NEWPORT, IND.—Bids are asked by W. T. Sanders, Chn., until 10 a. m., March 12, for constructing steel superstructure for highway bridge across Wabash River, near Cayuga.

WASHINGTON, IND.—Bids are asked by H. H. Sefrit until March 6 for constructing steel and concrete bridge.

PETERSBURG, IND.—We are officially informed that plans for the steel bridge over White River will be ready for bids about March 7. The new structure will have five spans, one 157 ft. long and four, each 103½ ft. Width, 18 ft. George A. Thompson, Petersburg, Ind., is Engr.

PORT HURON, MICH.—Plans and specifications are on file at the offices of Engineering News, 220 Broadway, New York; Monadnock Bldg., Chicago, Ill., and Home Life Bldg., Washington, D. C., for bridge over Black River, at Port Huron, Mich. Bids will be opened March 30. (Advertised, Engineering News.)

BELLEVILLE, ILL.—We are officially informed that plans are in progress for a reinforced concrete bridge across Richland Creek, here. Cost, about $10,000. L. L. Harper is City Engr.

SYCAMORE, ILL.—The contract for erecting the bridge near here was awarded to the CONTINENTAL BRIDGE CO., of Chicago, Ill.

RACINE, WIS.—It is reported that plans for a $67,000 swing bridge at Main St. have been adopted.

CENTRAL CITY, NEB.—It is reported that the Union Pacific Railroad Co. will construct a new bridge across the Platte River here. A. L. Mohler, Omaha, is Vice-Pres.

LEAVENWORTH, KAN.—Bids are asked by J. W. Nerhaus, County Clk., until noon, March 5, for constructing six bridges in Leavenworth county.

KEARNEY, NEB.—Bids are asked by E. H. Miller, County Clk., until Feb. 27 for building all bridges that may be needed in Buffalo County for one year.

KINGSTON, MO.—Bids are asked by S. C. Rogers, County Surv., until 2 p. m., March 6, for constructing six small bridges in Caldwell county.

PINE BLUFF, ARK.—Bids will soon be asked by the Bridge Commissioners for building a steel bridge over the Arkansas River in Jefferson County. E. J. Kerwin, County Judge, is Chn.; Jesse R. Core is County Clerk.

CLEBURNE, TEX.—The contract for constructing four steel bridges in this county was awarded to C. B. MOORE, of Dallas, Tex.

BURNET, TEX.—Burnet County has voted for the construction of three steel bridges.

UNION CITY, OKLA.—It is reported that a new steel bridge will be erected across the South Canadian River here, by the Chicago, Rock Island & Pacific Railway Co. J. B. Berry, Chicago, Ill., is Ch. Engr.

COLORADO SPRINGS, COLO.—Bids will be asked soon by the Board of County Commissioners for constructing a bridge 75 ft. long over Fountain Creek, in El Paso County. The proposed structure, if built of concrete, will have two spans, and if of steel only one span. Henry McAllister is Deputy County Clk.

ROSWELL, N. MEX.—The Chicago, Rock Island & Pacific Railway Co., it is reported, will build a bridge here. J. B. Berry, Chicago, Ill., is Ch. Engr.

COLVILLE, WASH.—The contract for erecting bridge across Kettle River, north of Marcus, was awarded to BAILEY & MILLER, of Wenatchee, Wash.

SEATTLE, WASH.—The city council has passed the ordinance for construction of the Alva St. bridge.

PORTLAND, ORE.—The Northern Pacific Railway Co. will build two bridges on the line of its proposed cut-off to Portland, Ore. The plans for the main bridge over the Columbia River and slough, call for 17 spans with a total length of 3,540 ft. There will be six spans of 265 ft. each over the Columbia slough and nine spans 169 ft. each over the Columbia River on the Washington side, with a river draw 405 ft. long, allowing 200-ft. channels on each side of the pivot pier. This bridge and the one to span the Willamette will cost $3,000,000. Both bridges will be double-tracked. The Willamette bridge will have 21 concrete or stone piers. W. L. Darling, St. Paul, Minn., is Ch. Engr.

SANTA ROSA, CAL.—Bids will soon be asked for constructing a bridge at E St., in this city.

MONTREAL, QUE.—Bids are asked by the Grand Trunk Pacific Railway Co. until March 12 for building a steel bridge at Cap Rouge. Joseph Hobson, Montreal, is Ch Engr.

OTTAWA, ONT.—Application will be made to the Dominion Parliament for the incorporation of the Minnesota-Canadian Bridge Co., to build a highway bridge over the Rainy River at Pitchers Point.

PEMBROKE, ONT.—The following bids were received for the construction of the Clay Bank bridge: Substructure, low level and high level: Bourke & Wilson, $14,308—$16,490; Moran & Lynn, $11,730—$13,497. For the superstructure: Dominion Bridge Co., $10,470—$14,225; Dickson Bros., $13,453—$16,737; Locomotive & Mach. Co., $17,370—$16,640. Contract awarded to DICKSON BROS., of Campbellford, for the complete bridge, at $22,022.

PARIS, ONT.—The Grand Trunk Railway Co. will erect a new steel overhead bridge here. Joseph Hobson, Montreal, Que., is Ch. Engr.

ST. CATHARINES, ONT.—The city council has decided to take immediate steps towards the construction of a high level bridge across the Welland Canal. The work is expected to cost about $100,000.

OTTAWA, ONT.—See under Railways; Transcontinental Ry.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

WORCESTER, MASS.—Plans and specifications have been completed for the erection of a new laboratory building for the Worcester Polytechnic Institute on Salisbury St. The new building will cost about $100,000. Peabody & Stearns, 53 State St., Boston, are Archs.

NEW YORK, N. Y.—We are advised that plans are in progress for the new office building on Broadway, Church and Courtlandt Sts. for the City Investment Co., 111 Broadway. R. E. Dowling is in charge. S. C. Weiskopn, 44 Broad St., is Engr. The building will be twenty-five stories, 140 × 315 ft. 600 HP. of boilers, 400 HP. of steam engines, 300 K.W. of generators and heating apparatus will be required in the equipment. Cost, $3,000,000. F. H. Kimball, 71 Broadway, is Arch.

We are advised that Clarke & MacMullen, Engrs., 20 Broad St., are taking bids on electric wiring, switchboards, 1-60 K.W. generator, 1-90-HP. steam engine and 2-100-HP. boilers for the Colored Orphans Asylum. Roberts & Potter, 160 Fifth Ave., are Archs.

The contract for erecting express depot for American Express Co., 65 Broadway, at Webster Ave. and Southern Boulevard, was awarded to H. GETTY, 359 West 26th St., New York.

NEW YORK, N. Y.—We are advised that the general contract for erecting the new store and office building for E. T. Gerry, 261 Broadway, at Broadway and Warren St., has been awarded to C. T. WILLS, 156 Fifth Ave. Smith, Gray & Co., 1245 Broadway, are lessees. The building will be 12 stories, brick and stone, 75 × 100 ft. J. B. Baker, 156 Fifth Ave., is Arch.

The contract for electrical work for $300,000 residence for E. Rollins Morse, at 7 East 51st St., New York, was awarded to FRED. PEARCE, 18 Rose St. Ogden Codman, Jr., 571 Fifth Ave., New York, is Arch.

Plans are in progress for a 14-story brick and stone, fireproof apartment house at 28th St. and Fifth Ave., New York. T. W. Lamb, 224 Fifth Ave., is Arch.

The contract for constructing the 5-story residence at 24 East 73d St., New York, for A. M. Stein, was awarded to WALTER REID, 156 Fifth Ave. H. M. Baer, 15 Cortlandt St., is Arch.

NEW YORK, N. Y.—It is stated that Smith Gray & Co., Broadway and 31st St., New York, have leased from Commodore Eibridge

T. Gerry, the plot on the north corner of Warren St. and Broadway, where a 17-story store and office building will be erected.

NEW YORK, N. Y.—We are informed that plans have been completed and contract awarded to J. C. McGUIRE, 26 Cortlandt St., New York, for a 5-story brick and marble residence for J. D. Wing, at 58 West 49th St. Lawler & Haase, 69 Wall St., are Archs.

Plans have been completed and bids have been asked for an $800,000 addition to office building of the Hamburg American Line, at 41-45 Broadway. De Lemos & Cordes, 130 Fulton St., New York, are Archs.

Buchanan & Fox, Archs., 11 East 59th St., are receiving bids on a 5-story storage warehouse for the Anheuser-Busch Brewing Co., at 425-435 Eleventh Ave. The building will be fireproof, brick, 100 × 200 ft.

We are advised that J. M. Robinson, Engr., 15 Broad St., is taking figures on 4 200-HP. boilers, steam engines, generators and heating system for the new Mills Hotel No. 3, at 36th St. and Seventh Ave., New York. Copeland & Dole, 135 William St., are Archs.

NEW YORK, N. Y.—The contract for erecting stable for Schwarzchild & Sulzberger at 314-320 East 46th St. was awarded to G. H. VARNEY, 156 Fifth Ave., New York. The building will be six stories, reinforced concrete, 100 × 100 ft. Cost, $100,000.

Bids are being received by Buchanan & Fox, Archs., 11 East 59th St., for a 11-story brick and stone office building at 12-14 West 21st St., for Kaye & Einstein, 36 East Ninth St., New York. Size, 50 × 100 ft.

We are advised that plans are in progress for a brick and stone garage at 70th St. and Broadway, for the Winton Motor Carriage Co., 1706 Broadway, New York. Building will be three stories, 100 × 200 ft., with a roof-garden.

We are informed that plans are nearing completion for an apartment house on Riverside Drive and 127th St., New York, for the Bergen Realty Co., 3137 Broadway. Building will be six stories, brick and stone, 80 × 100 ft. G. Keister, 11 West 20th St., New York, is Arch.

NEW YORK, N. Y.—Bids were opened Feb. 19, for addition to Public School No. 32, at 357 West 35th St., Borough of Manhattan. P. J. Ryan, 314 West 44th St., New York, submitted the lowest bid at $19,600.

NEW YORK, N. Y.—A site has been purchased by the Church Missionary Society for Seamen in the City and Port of New York, at South St. and Coenties Slip, for the erection of a 10-story building, at a cost of $500,000. Edmund L. Baylies, 54 Wall St., New York, is Chn. Com.

We are officially advised that the contract for the structural steel, amounting to about 1,000 tons, for the new building at 718-720 Broadway, was awarded to the PASSAIC STEEL CO., Paterson, N. J. C. E. Birge, 5 West 31st St., New York, is Arch.

NEW YORK, N. Y.—Plans have been completed by C. B. J. Snyder, Arch., Dept. Education, for a 5-story school building on 45th St., near Tenth Ave., New York, which will be used as an annex to Public School No. 51. Size, 60 × 100 ft. Cost, $115,000.

We are advised that plans have been prepared and accepted for extensive alterations to the Astor House, Broadway and Vesey St., New York. W. E. Lehman, 738 Broad St., Newark, N. J., is Arch.

ATLANTIC CITY, N. J.—It is reported that $1,000,000 is to be expended in the construction of a building, overlooking the Boardwalk, which will contain a convention hall, theater, rathskellar, restaurant and skating rink. Judge Allen B. Endicott is reported interested.

Plans are in progress for a $50,000 school here. Davis Bros., 16th and Chestnut Sts., Philadelphia, Pa., are Archs.

TRENTON, N. J.—Plans have been completed for a warehouse and office building for the Monument Pottery Co. The new building will be three stories, brick, 75 × 105 ft. W. W. Slack, 18 East State, Trenton, is Arch.

NEWARK, N. J.—Bids are being received by C. A. Gifford, Arch., 18 East 17th St., New York, for a residence at 192 Clinton Ave., Newark, for J. Miller. Building will be three stories, non-fireproof, brick and stone, 30 × 100 ft.

HARRISBURG, PA.—Extensive additions and alterations are planned for the Commonwealth Hotel here. James Russ is owner.

It is stated that Jesse Hendricks will erect a 5-story brick, stone and steel hotel here. C. Howard Lloyd, 216 Market St., Harrisburg, is Arch.

Plans are in progress for a 4-story brick and stone office building for R. A. Johnston, of this city.

PHILADELPHIA, PA.—We are informed that plans are in progress for an addition to home of Little Sisters of Poor, at Jefferson and 18th Sts. The addition will be four stories, fireproof, brick and steel. R. W. Boyle, 1626 Chestnut St., is Arch.

Mershon & Co. have plans in progress for a 6-story store and office building at 1209 Arch St. Milligan & Webber, 520 Walnut St., Philadelphia, are Archs.

PITTSBURG, PA.—The general contract for the Union National Bank building at Fourth Ave. and Wood St. was awarded to the A. & S. WILSON CO., Third Ave. and Try St. MacClure & Spahr, Keystone Bldg., Pittsburg, are Archs.

YORK, PA.—We are informed that plans are in progress for a school at Jefferson and Water Sts., York. B. F. Willis, 10 West Market St., York, is Arch. Cost, $50,000.

PITTSTON, PA.—Plans are in progress for a telephone exchange for the Pennsylvania Telephone Co. Welsh & Sturdevant, Wilkes-Barre, Pa., are Archs.

WILKES-BARRE, PA.—Plans have been accepted for a 12-room school building on Franklin Ave., Wilkinsburg. Cost, $80,000.

JOHNSTOWN, PA.—The Penn Traffic Co. has accepted the plans of Berzer Bros., Vilsack Bldg., Pittsburg, Pa., for its fireproof office building.

BALTIMORE, MD.—The Maryland Storage Co. has had plans prepared for a 5-story, brick and steel storage warehouse, at York St. and Battery Ave. Size 130 × 260 ft.

WASHINGTON, D. C.—We are advised that W. H. Hibbs has purchased the property 15th St. N. W., between New York Ave. and H St., for the erection of a 10-story fireproof office building, 75 × 110 ft.

Plans are in progress for a 10-story fireproof office building for Henry Walsh, on the east end of the square bounded by 14th and 15th Sts., New York Ave. and H St., Washington.

We are informed that Herman Jennings will erect a large residence on Massachusetts Ave. and Sheridan Circle. The plot is 40 × 116 ft.

RICHMOND, VA.—Plans have been completed and are ready for bids for the construction of a 4-story stone and steel Y. M. C. A. building here. Wilson, Harris & Richards, Drexel Bldg., Philadelphia, Pa., are Archs. Cost, $60,000.

LOGAN, W. VA.—It is reported that the Logan National Bank will erect a new bank and office building at a cost of $50,000.

FAYETTEVILLE, N. C.—Bids are asked by the Bank of Fayetteville, until 2 p. m., March 1, for the construction of an addition, remodelling and installing heating plant to present building.

PENSACOLA, FLA.—We are officially informed that the building committee appointed by the city council has selected the plans of Frederick Ausfeld, Arch., 515 Thiesen Bldg., Pensacola, as a result of the limited competition for the proposed $75,000 city hall.

SHREVEPORT, LA.—A site has been selected for the proposed $100,000 city hall. Andrew Querbes is Mayor. C. G. Rives is Comptroller.

LOUISVILLE, KY.—Plans have been completed by Dodd & McDonald, Equitable Bldg., Louisville, for a fireproof building, 180 × 108 ft., for the Louisville Realty Co. Cost, $275,000.

MIDDLETOWN, O.—Plans are in progress for a $68,000 High School building here.

CLEVELAND, O.—It is stated that the Board of Education is considering the erection of a $325,000 Manual Training School here.

AKRON, O.—Preliminary figures have been received by D. H. Burnham & Co., Archs., 1417 Railway Exchange, Chicago, for the erection of building for St. Paul's Episcopal Church at Akron. Cost, $275,000. Rev. N. S. Watson is Rector.

CINCINNATI, O.—Plans have been completed for a 4-story, brick and stone apartment building for the Thomas J. Emery estate, Mercantile Bldg., Cincinnati. J. G. Steinkamp & Bro., Mercantile Bldg., are Archs.

Boll & Taylor, Archs., Walnut and Fourth Sts., Cincinnati, have completed plans for a 3-story apartment building, 100 × 185 ft., for G. W. & J. C. Hollingsworth, c/o architects. Cost, $100,000.

SOUTH BEND, IND.—Freyermuth & Maurer, Archs., of this city, have completed plans for a 3-story business building, 66 × 160 ft., for Chas. Weidler. Cost, $60,000.

SOUTH BEND, IND.—Plans have been completed and bids are being received for the construction of a 3-story building for the Studebaker Manufacturing Co. Cost, $200,000.

INDIANAPOLIS, IND.—Bids are asked by the Board of School Commissioners, until March 13, for the erection of a branch library building at 31st St. and Clifton Ave., Indianapolis. R. D. Daggett & Co., 28 Marion Bldg., are Archs.

KALAMAZOO, MICH.—The plans of E. W. Arnold, Arch., Battle Creek, Mich., have been accepted for the addition to West Michigan Normal School here. The addition will be two stories and basement, with provision for gymnasium, assembly room and library. Cost, $60,000.

LANSING, MICH.—It is stated that the State Board of Agriculture has had plans completed for an engineering building for the Agricultural College. The new building will be three stories and basement, and will accommodate four departments—mechanical, electrical and civil engineering and drawing, with equipment for each. Cost, $100,000. J. L. Snyder is Pres.

CHICAGO, ILL.—Plans have been completed by Pond & Pond, Archs., 21 East Van Buren St., for the $750,000 telephone and office building for the Chicago Telephone Co.

We are advised that plans have been completed for the erection of an office and factory building for the Price Baking Powder Co., on Douglas Boulevard, between Harvard and Fillmore Sts. Cost, $100,000. Jenney, Mundie & Jensen, 171 La Salle St., are Archs.

CHICAGO, ILL.—The contract for the steel superstructure for the office building on State and Monroe Sts., for E. S. Pike, 604 First National Bank, was awarded to the HANSELL-ELCOCK CO., 251 23d Place, Chicago. Howard Shaw, 175 Dearborn St., is Arch.

Preliminary plans have been made for an 8-story, fireproof apartment house at 283-289 East Erie St., for Dr. William Bonnar, 280 State St., Chicago. Stone and steel, 64 × 88 ft. Cost, $100,000. Frederick Lindquist, 88 Washington St., is Arch.

We are informed that $500,000 has been given for the erection of the George Smith Annex to St. Luke's Hospital, in this city. Frost & Granger, Archs., 184 La Salle St., are reported to be preparing plans.

The contract for warehouse at 1533 Michigan Ave. for the Chicago Cold Storage Co. was awarded to F. P. NELSON, 138 Washington St. John Ahlschlager, 70 La Salle St., is Arch.

CHICAGO, ILL.—We are advised that Postle & Mahler, Archs., 204 Dearborn St., have plans in progress for the $800,000 hotel for J. K. Sebree, proprietor of the Saratoga Hotel. The new building will be 15 stories, fireproof, 67 × 190 ft., brick, stone and terra cotta.

PROPOSED WORK

ENGINEERING NEWS desires to obtain the **earliest possible reliable information** concerning all projected work. We will appreciate any items that you may send us. Copies containing such information will be mailed to you, upon request.

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Editor Construction News

GENEVA, ILL.—J. L. Simmons, 2162 West Madison St., Chicago, submitted the lowest bid for constructing dormitories, power-house and chapel for the State Training School for Boys, at Geneva.

MILWAUKEE, WIS.—Plans have been completed and bids have been received for the construction of the 10-story office building for the Milwaukee Journal Co., at Michigan and Milwaukee Sts. Ferry & Clas, 419 Broadway, Milwaukee, are Archs. Cost, $60,000.

MINNEAPOLIS, MINN.—Bids are asked by O. B. Gould, Chn. Com., until March 10, for construction of new main building at the State University. C. N. Johnston, 712 Manhattan Bldg., St. Paul, is Arch. Cost, $400,000.

MINNEAPOLIS, MINN.—The general contract for the erection of the $300,000 storage elevator on Seventh Ave. South for the Washburn-Crosby Co. has been awarded to C. W. HAGLIN, of this city.

LINCOLN, NEB.—Fiske & Dieman, Archs., 516 Richards Bldg., are preparing plans for a woman's building, 60 × 120 ft., for the University of Nebraska.

JOPLIN, MO.—Thomas Conner is reported to be arranging for the erection of a 6-story fireproof hotel, 125 × 110 ft., to cost $500,000.

KANSAS CITY, MO.—It is stated that a union passenger station will be erected on the plot bounded by Grand Ave., Broadway, 21st and 23d Sts., Kansas City. Cost, $20,000,000.

LITTLE ROCK, ARK.—The contract for erecting the 10-story building for the Southern Trust Co. was awarded to CALDWELL & DRAKE, of this city. George R. Mann, Mann Bldg., Little Rock, is Arch.

FULLERTON, CAL.—Bids are asked by William Starbuck, Clk., until 2 p. m., March 30, for constructing High School building here.

SAN DIEGO, CAL.—Competitive plans are being received by the High School Board for the erection of a new High School building. Total cost of the building not to exceed $110,000.

SAN FRANCISCO, CAL.—It is reported that the Keystone Building Co. will erect an apartment house here at a cost of $1,000,000. I. Magnin and A. Walss are interested.

OGDEN, UTAH.—Bids are asked by James Knox Taylor, Supervising Arch., Treas. Dept., Washington, until 3 p. m., March 15, for steam heating apparatus for United States post-office building at Ogden, Utah. (Advertised, Engineering News.)

Bids are asked by James Knox Taylor, Supervising Arch., Treas. Dept., Washington, until 3 p. m., March 14, for installing electric wiring system in United States post-office at Ogden, Utah. (Advertised, Engineering News.)

PORTLAND, ORE.—It is reported that the Portland General Electric Co. will erect a 6-story building at Seventh and Adler Sts., at a cost of $250,000.

COLLINGWOOD, ONT.—The plans of J. A. Ellis, Arch., Toronto, have been accepted for a new College Institute building.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

DANVERS, MASS.—Freeman C. Coffin, Engr., 826 Exchange Bldg., Boston, is reported to have recommended to the trustees of the State Insane Asylum here that they establish a private water supply system, pumping from a neighboring pond. The system will cost about $40,000. Dr. H. W. Mitchell is Supt., Danvers.

LAWRENCE, MASS.—M. F. Collins, Supt. Water Dept., has been authorized to call for bids for the purchase of 3,000 ft. of 6-in. and 1,000 ft. of 8-in. cast-iron pipe, according to reports.

WEBSTER, MASS.—The town commissioners are reported to be considering the laying of a new 10-in. pipe direct from the pumping station through East Main St. at a cost of about $5,000.

QUINCY, MASS.—Council is considering the expenditure of $25,000 for extensions to the water system. Hamilton Flood is City Engr.

NEW YORK, N. Y.—Bids are asked until 2 p. m., Feb. 28, for laying water mains in Blake and Fountain Aves., Boro. of Brooklyn. William B. Ellison, Comr. Water Supply, Gas and Electricity.

GILBERTSVILLE, N. Y.—This village will vote upon the proposition to expend $2,300 for water-works improvements. Charles P. Root is Pres.

ALBANY, N. Y.—It is reported that the bureau of water, Wallace Greenalch, Engr., is preparing plans for an addition of 2½ acres of filter beds to the present filter plant.

HORNELLSVILLE, N. Y.—Water Board has voted to construct a 20-in. main from the reservoir to the filtering plant.

IRONDEQUOIT, N. Y.—This town has contracted with the ROCHESTER & LAKE ONTARIO WATER CO. for a water system from Lake Ontario. The work of pipe laying will be started in the early spring. H. B. Mingle is Pres., Rochester & Lake Ontario Water Co., at Rochester.

DUNKIRK, N. Y.—Board of [illegible] Water Commissioners has decided to expend $10,000 in extending a water main in the [illegible] North Ward. John S. Coleman is Secy.

PITTSFORD, N. Y.—The Ro[illegible] & Lake Ontario Water Co. has been [illegible]d to submit a proposition for the extension of the water company [illegible] of the service. The extension would be for a [illegible] village. miles. It is estimated that [illegible] since of 1½ cost about $10,000. H. B. M[illegible] work would of the company. is Pres.

ATLANTIC CITY, N. J.—B[illegible] are asked until 3.30 p. m., March 2, for [illegible]shing and installing two 200-HP. boiler[illegible] received Pumping Station. Louis K[illegible] Q. M. Booye, James Parker, Bd. Wat[illegible] Rufus Van Gilder, Engr. and Supt. [illegible] L. Engineering News.) Advertised.

SANDY HOOK, N. J.—We are [illegible]ially advised that the following bids [illegible] received Feb. 10 by Lieut. William Pat[illegible] Q. M. for constructing water-works a[illegible]t Hancock: (a) constructing addition[illegible] pumphouse; (b) constructing 400,000[illegible]ion concrete reservoir; (c) installing a[illegible] compressor, air receiver, etc.; (d) piping tw[illegible] wells, to all outside piping; Abbot-Gamb[illegible] Co., 221 Broadway, New York, (b) $13,61[illegible] J. H. Muirhead, 136 92d St., Brooklyn [illegible] Y., (b) $18,488; Joseph L. Sweigard [illegible] Betz Bldg., Philadelphia, Pa., (a) $1,62[illegible] $12,510, (c) $5,975, (d) $1,340, (e) $[illegible] (without conditions) and (a) $1,425, [illegible] $17,160 (c) $4,454, (d) $1,150, (e) $1,500 [illegible] awarded as a whole); Commonwealth Roofing Co., 17 Battery Pl., New York, (b) $16,500 (if constructed on top of ground) and (b) $14,740 (if constructed so that ½ of height is below surface); Filbert Paving & Construction Co., 15th and Chestnut Sts., Philadelphia, (b) $10,349; Hudson Engineering & Construction Co., 52 William St., New York, (a) $265, (b) $11,314, (c) $4,400, (d) $1,875, (e) $1,350 and (c) and (d) $3,500 (Bacon system); Augustus Smith, 39 Cortlandt St., New York, (a) $1,110, (b) $15,713, (c) $1,227; John Milnes Co., Port Richmond, N. Y., (a) $1,007, (b) $14,219, (c) $3,830, (d) $1,389, (e) $1,311; Bell Engineering & Construction Co., 220 Broadway, New York, (b) $14,834; Acme Water Storage & Construction Co., Park Row Bldg., New York, (b) $17,357; Merritt W. Pharo, Stephen Girard Bldg., Philadelphia, Pa., (a) $1,057, (b) $7,970, (c) $1,144, (d) $1,552, (e) $940; Ingersoll Rand Co., 11 Broadway, New York, (c) $3,830 and $2,950 (d) $1,389, (e) $1,311.

MUNHALL, PA.—Council is considering construction of water plant if favorable result is obtained from well boring at reservoir site.

WASHINGTON, D. C.—Bids are asked until 11 a. m., March 17, for constructing a pump-house and installing pumping machinery for dry dock, Navy Yard, Charleston, S. C. Mordecai T. Endicott, Chief Bureau Yards and Docks, Washington, D. C. Specifications for this work are on file at office of Engineering News, New York. (Advertised, Engineering News.)

RICHMOND, VA.—Bids are asked until 5 p. m., March 14, for the construction of a steel reinforced concrete conduit, about one mile long and five ft. internal diameter and connections with same. Charles E. Bolling, Supt. Water-Works. (Advertised, Engineering News.)

PIEDMONT, W. VA.—It is stated that H. C. BROOKS CO., of Fairmont, W. Va., has been awarded a contract at $42,000 to construct gravity water system. A concrete dam will be constructed across the Savage River and 4½ miles of cast-iron pipe will be laid.

EDGEFIELD, S. C.—C. C. Wilson, Engr., Columbia, S. C., has made surveys and reported favorably on the construction of water-works and electric light plant being considered by the city.

JACKSONVILLE, FLA.—It is reported that the contract for two surface condensers, bids opened Feb. 5, was awarded to the C. H. WHEELER CONDENSER & PUMP CO., Philadelphia, Pa., at $7,490. Other bids were as follows: H. R. Worthington, 114 Liberty St., New York, N. Y., $9,417; Alberger Condenser Co., 95 Liberty St., New York, N. Y., $8,100; and Wheeler Condenser & Engineering Co., 42 Broadway, New York, N. Y., $8,720.

ARCADIA, FLA.—Bids are asked until 4 p. m., March 17, for constructing a water-works plant in this town. J. T. Youmans, Chn. Bond Trustees. W. T. McCormick, Engr. (Advertised, Engineering News.)

APALACHICOLA, FLA.—Bids are asked until 10 a. m., March 20, for the construction of a water-works system to comprise the following: Two 1,000,000-gallon pumps, two 66 × 16 boilers, boiler feed pump and heater, 60 hydrants, 61 gate valves and boxes, one air compressor, 100,000-gallon tank and 110-ft. tower, construction of brick power-house, suction basin, laying about four miles of 6 to 10-in. cast iron water pipe furnished by the city. M. Brash, Secy. Bd. Pub. Works. Arthur Pew, Engr. (Advertised, Engineering News.)

PERRY, FLA.—The city has voted to issue $25,000 of water-works bonds.

BRUNDIDGE, ALA.—A. J. Stewart, Engr., Alexander City, Ala., is reported to be preparing plans and specifications for water-works. Mentioned on Feb. 8.

McHENRY, MISS.—The McHenry Water-Works Co. has been incorporated with $50,000 capital stock by George R. Burton, James F. Bennett, W. B. Young, P. E. Pond, Jeff D. McLendon and associates. It is proposed to petition the town for franchise.

NEW ORLEANS, LA.—H. F. LEWIS & CO., LTD., New Orleans, La., are reported to have been awarded the contract for the construction and erection of 21 cisterns at Jackson Barracks, La., for the sum of $3,300.

McDONOGHVILLE, LA. — McDonoghville Water, Power & Improvement Co. has been incorporated with $100,000 capital stock. Henry Hart is Pres.; Louis H. Marrero, Vice-Pres.; Theophile Landry, Secy.; George Walter Treas.; and H. L. Sander, Mgr.

YOUNGSTOWN, O.—Bids are asked by the board of public service until noon, March 2, for the following separate contracts: For furnishing about 700 extension curb boxes; for furnishing about 130 gate valves; for furnishing about 50 fire hydrants; for furnishing about 400 tons cast iron water pipe and 15 tons special castings; for furnishing about 325 water meters; for furnishing about 700 corporation cocks to be used with Mueller tapping machines; for furnishing about ten tons of soft pig lead. G. T. Prosser, Clk. Bd. Pub. Service. All of this work is advertised in Engineering News.

DAYTON, O.—Bids are asked until noon, Feb. 27, for furnishing and delivering 400 tons of iron water pipe in various sizes with necessary castings. T. M. Pexton, Pres.; William F. Miller, Clk. Bd. Pub. Service. (Advertised, Engineering News.)

LIMA, O.—Bids are asked until Feb. 26 for the construction of an addition to the water-works pumping station. L. L. Crumfine, Clk. Bd. Pub. Service.

TOLEDO, O.—Bids were opened Feb. 7 for furnishing 500 tons of iron water pipe, as follows: United States Cast Iron Pipe & Foundry Co., 71 Broadway, New York, $13,875; National Supply Co., Toledo, $14,150; American Car & Foundry Co., Detroit, Mich., $14,200. Frank I. Consaul is Ch. Engr. Bd. Pub. Works.

LORAIN, O.—We are officially advised that the contract for furnishing 120 tons of cast iron pipe and 1½ tons of special castings, bids opened Feb. 12, was awarded to the UNITED STATES CAST IRON PIPE & FOUNDRY CO., 71 Broadway, New York, at $3,458. Custer Snyder is City Auditor.

CLEVELAND, O.—Bids are asked until noon, Feb. 28, for furnishing 10,000 ⅝-in. water meters.

Bids are also asked until the same time and date for furnishing 200 1-in., 25 1½-in., 100 2-in. disc water meters. W. J. Springborn, Pres. Bd. Pub. Service. A. R. Callow, Secy.

CLEVELAND, O.—Bids are asked until noon, Feb. 28, for furnishing 2,100 tons of 8, 10, 12, 16 and 20-in. cast iron pipe and 110 tons of special castings. M. B. Excell, Pres.; William H. Ney, Secy. Bd. Pub. Safety.

BLOOMINGTON, ILL.—It is proposed to construct 10 to 16-in. water mains on Mason, Oak, Union and Center Sts.; estimated cost, $28,965. Elmer Folsom is City Engr.

HEBRON, ILL.—Bids are asked until March 1 for the construction of a water system, comprising 11,792 ft. of 4, 6 and 8-in. cast iron pipe, 20 fire hydrants with necessary valves, etc. L. A. Nichols, Pres. Bd. Local Improvements. (Advertised, Engineering News.)

KEWANEE, ILL.—Daniel W. Mead, Consult. Engr., 164 Dearborn St., Chicago, has prepared estimates for the rebuilding of the water-works here by three systems. He estimates the cost of the shaft proposition to be $55,000; the centrifugal pump system, $35,000, and the air lift system, $28,000.

MILWAUKEE, WIS.—Bids are asked until 10.30 a. m., Feb. 27, for furnishing ⅝-in. corporation stop-cocks. Charles J. Poetsch, Thomas E. Hoye, Stanley E. Czerwenski, V. J. Schoenecker, Jr., Comrs. Bd. Pub. Works. P. Pawinski, Comptroller.

Bids are also asked, it is reported, until Feb. 27, for furnishing the material and doing the work necessary to lay water mains on such streets as the board of public works may order during 1906. Separate bids must be submitted for 4-in., 6-in., 8-in., 12-in. and 16-in. pipe. P. Pawinski, Comptroller.

DULUTH, MINN.—Bids are asked until 3 p. m., March 1, by the board of water and light commissioners for the installation of a steam driven pump at the pump works at Lakewood. L. N. Case, Mgr.

HOLTON, KAN.—It is estimated that a water-works system for Holton, to include two miles of sewer and an electric light plant, will cost $79,000.

FARGO, N. DAK.—Bids are asked until 5 p. m., March 5, for construction of a 6-in. water main in Tenth St. H. J. Gibson, City Auditor.

OSCEOLA, ARK.—Bids are asked by the Board of Improvement until 10 a. m., March 3, for $34,000 of 5% 20-year water-works bonds. Address Board of Improvement, Osceola, Ark. (Advertised, Engineering News.)

YELLVILLE, ARK.—See under Light & Power Plants.

BALLINGER, TEX.—We are officially advised that J. B. Hawley, Engr. Fort Worth, Texas, is preparing plans for the proposed water system. J. W. Powell is Mayor.

WYNNEWOOD, IND. T.—See under Light & Power Plants.

GREELEY, COLO.—We are officially informed that the following bids were received Feb. 6 for constructing a water system for this place: Jacobson Bade Co., Portland, Ore., $323,870; Gaffey & Keefe Construction Co., Denver, Colo., $345,621; Hanley & Ritchie, Topeka, Kan., $360,757; Phillips & O'Gara, Denver, $380,108; Clement & Strange, Salt Lake City, Utah, $385,608; Denver & Pueblo Construction Co., Denver, $392,152; James Kennedy, Fargo, N. Dak., $394,820; N. S. Sherman Machinery Co., Oklahoma City, Okla., $397,730; P. P. Ford, Denver, $349,302; Igo & Howard, Greeley, $293,107 (pipe line only). The proposed improvements embrace bringing water from the Cache-la-poudre River, a distance of 38 miles, the construction of a 26,500,000-gallon sedimentation basin, a filtration plant, slow sand, a 5,000,000-gallon storage reservoir, 38 miles of continuous wood stave pipe line and necessary valves, etc. George G. Anderson, 501 Equitable Bldg., Denver, Colo., is Consult. Engr.

BALLARD, WASH.—City has awarded a contract for boring wells for the proposed new water supply to L. S. GREEN. Bids will be asked soon for pumps of 1,500,000 gallons daily capacity. H. T. Bostian is City Engr.

REDLANDS, CAL.—The Mutual Water Co. has decided to expend $300,000 in the construction of a reservoir in Santa Ana Canon and laying pipe lines throughout the Redlands and Highland districts.

MEAFORD, ONT.—Bids are asked until March 6 for supplying steam pump, pipes, valves, boiler, etc. George G. Albery, Town Clk.

LEWISTON, IDAHO.—Bids are asked by the Waha-Lewiston Land & Water Co., at Lewiston, Idaho, until 3 p. m., Feb. 28, for the construction of 18 miles of flood-water, catchment ditch, four miles of main supply ditch and two storage reservoirs, situated on Craig Mountain, Nez Perce County, Idaho. This work involves the handling of some 310,000 cu. yds. of earth, 298,000 cu. yds. of rock and construction of about 18,000 cu. yds. of concrete and other masonry, and about 4,000 lin. ft. of tunnels. Bids will be received (1) for the construction of the ditches, (2) the reservoirs and (3) the tunnels, or for the entire work. Walter H. Graves, Engr. (Advertised, Engineering News.)

FREDERICTON, N. B.—F. A. Barbour, Engr., 1120 Tremont Bldg., Boston, Mass., is stated to have submitted to council a report on an improved water supply. He recommends the construction of a filtration plant in connection with the pumping station; estimated cost of building the plant, clear water basin, etc., $42,300. A special committee probably will consider the matter.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

WOODSTOCK, VT.—Bids are asked, it is stated, until March 15, for constructing about 20,000 ft. of 8-in. vitrified pipe sewer. Fred Chapman, Clk., Village Trustees.

TAUNTON, MASS.—It is stated that this city will lay 3,000 ft. of 40-in. sewer at an estimated cost of $30,000, and 2,000 ft. of smaller sewers. A. K. Crandell is City Engineer.

QUINCY, MASS.—The expenditure of $20,000 for extending the main and lateral sewers is under consideration by council.

BROCKTON, MASS.—The city will shortly lay four miles of pipe sewers at an estimated cost of $40,000, according to recent reports. It is also proposed to construct a surface drainage system, to cost $10,000. Charles R. Felton is City Engr.

CENTRAL FALLS, R. I.—The city will shortly construct new sewers at a cost of $10,000, it is reported. William F. Keene is City Engr.

BINGHAMTON, N. Y.—According to plans submitted by S. M. Baird, City Engr., the Fourth Ward sewer system will cost not less than $105,000. Noted Feb. 15.

PALMYRA N. Y.—Village trustees will ask legislature to provide means for constructing a sewer system by amending the charter of this village so that question can be submitted to voters.

TROY N. Y.—The estimated cost of the Pawling Ave. sewer has been placed at $14,611. Edward B. Cary is City Engr.

MENANDS (post-office Albany), N. Y.—Bids were opened Feb. 10 by John H. McMahon, Pres. Bd. Sewer Comrs., for repairing sewers and drains in the 15th School District. Contract was awarded to the McDONOUGH CONSTRUCTION CO., Troy, N. Y., at $4,975.

COBLESKILL, N. Y.—See under Streets and Roads.

NEW YORK, N. Y.—Bids are asked until 11 a. m., March 1, for constructing a sewer in East 169th St., Boro. of Bronx. Louis F. Haffen, Boro. Pres.

MERCHANTVILLE, N. J.—It is reported that borough council has adopted plans of D. E. Hill, Engr., 156 Fifth Ave., New York, for a sewer system to cost about $60,000. Issuance of bonds will be voted upon shortly. A. W. MacCullum is Chn. Sewer Com.

OIL CITY, PA.—We are officially advised that this city will build a sewer system at an estimated cost of $48,000. C. W. Mullalley, Controller, will advertise in the Oil City "Blizzard" for bids for the sewer system after Feb. 26, when plans and specifications will be on file at the office of E. S. Lawrence, City Engr. (Advertised, Engineering News.)

PHILADELPHIA, PA.—We are officially advised that "Peoples Bros., of Philadelphia, Pa., who secured the contract for constructing sewers in Reading, Pa., amounting to 65 miles, have placed their entire order with the MACK MFG. CO., Philadelphia."

ROANOKE, VA.—Plans and specifications have been prepared for improving the Campbell Ave. drain and bids will be asked in a short time. W. B. Bates is City Engr.

WINCHESTER, VA.—A bill has been introduced in the legislature which provides for the holding of a special election by this city to vote upon the issuance of $50,000 of bonds for a sewer system. Plans have already been prepared.

APALACHICOLA, FLA.—Bids are asked until 10 a. m., March 20, for constructing 2¼ to 3 miles of 6 to 12-in. sewers with manholes, etc. M. Brash, Secy. Bd. Pub. Works. Arthur Pew, Engr. (Advertised, Engineering News.)

NASHVILLE, TENN.—It is reported that $5,100 have been appropriated for sewer construction. W. W. Southgate is City Engr.

SALEM, O.—It is stated that bids are asked until March 6 for constructing a sewer in Jennings Ave. George Holmes, Clk. Bd. Pub. Service.

ST. MARYS, O.—Bonds to the amount of $75,000 have been authorized for the construction of a complete sanitary sewerage system in this city.

ZANESVILLE, O.—Council has passed an ordinance providing for the construction of a storm sewer in North Seventh St. and bids will be asked soon.

CLEVELAND, O.—Bids are asked until noon, Feb. 27, for the construction of sewers in several streets. W. J. Springborn, Pres.; A. R. Callow, Secy., Bd. Pub. Service.

NORWOOD, O.—Bids are asked until noon, March 10, for constructing a sanitary sewer about 3,550 ft. in length. J. A. Stewart, 813 Traction Bldg., Cincinnati, O., is Engr. W. H. Perry, Pres.; George H. Stacey, Clk. Bd. Pub. Service.

LANSING, MICH.—Bids are asked until Feb. 26 for the construction of the third section of the Weinman Creek valley sewer. A. Gray, City Clk.

OAK PARK, ILL.—It is stated that contract for the Randolph St. sewer system was let to E. A. BARKER & SON for $6,745. J. E. Tristram is Village Clk.

MADISON, WIS.—This city will be ready for bids about April 1 for 6 miles of concrete and vitrified pipe sewers. John Icke, City Engr. and Chn. Bd. Pub. Works.

GREEN BAY, WIS.—It is reported that bids are asked until March 25 for constructing 4,400 ft. of brick and 4,000 ft. of pipe sewers, 36 to 42-in. in diameter. W. W. Read, City Engr.

EMMETSBURG, IA.—Bids are asked until March 5 for constructing an 8-in. sewer. P. H. Hand, City Clk.

ST. PAUL, MINN.—Plans have been approved by the board of public works for the proposed Warrendale sewer system. Estimated cost, $53,000. L. E. Rundlett is City Engr.

McPHERSON, KAN.—H. A. Rowland, City Engr., will prepare plans and specifications for a sewer system in the first sewer district.

ARKADELPHIA, KAN.—A sewerage system has been petitioned for and committee of council appointed to investigate same. R. R. Hule is interested.

HOLTON, KAN.—See under Water Supply.

CAPE GIRARDEAU, MO.—Granbery Jackson, Engr., Nashville, Tenn., has submitted to council revised plans and specifications for eleven miles of pipe sewers for Dist. No. 1. Bids probably will be asked very soon.

KIRKWOOD, MO.—Bids are asked until 7 p. m., Feb. 24, for the construction of district sewers in Districts 1 and 3. J. G. Hawken, City Clk. (Advertised, Engineering News.)

JOPLIN, MO.—A contract for constructing sewers in this city has been awarded to A. G. ROBINSON, at $1.40 per lin. ft.

REDDING, CAL.—Bids were opened Feb. 5 for furnishing sewer pipe and contract awarded to the JAMES YOUNG HARDWARE CO., at $7,250.

SAN DIEGO, CAL.—Council has approved the plans and specifications for the new B St. reinforced concrete storm sewer and voted to advertise for construction bids. Cost is estimated at $75,000. G. A. D'Hemecourt is City Engr.

SACRAMENTO, CAL.—Bids are asked until 8 p. m., Feb. 26, for the extension of the main sewer in 22d St. M. J. Desmond, City Clk.

FRESNO, CAL.—The following are the bids opened on Feb. 5 for sewer work: (a) new sewer mains in town; (b) new outfall and septic tanks; (c) development of sewer farm, in three parts, grading, ditching and building head gates: Pacific Construction Co., San Francisco, (a) $48,750; (b) $107,500; for (a) and (b) $152,000; (c) grading, $12.50 an acre; ditching, 15 cts. a cu. yd.; construction work, $82 per M. ft. James Stanley, San Francisco, (a) $51,150. Atlantic Gulf & Pacific Co., San Francisco, (a) $56,000; (b) $121,000. C. J. Lindgren, Fresno, (a) $40,000; (b) $109,500. W. F. Hanrahan, San Francisco, (a) $52,100. W. P. Jensen, (c) grading, $4,800; ditching, 13½ cts. a cu. yd.; construction at $62.50 per M. ft. Williams & Belcher, (a) $44,520; (b) $109,750; (a) and (b) $149,000. C. D. Vincent, Oakland, (a) $40,950; (b) $104,250; (a) and (b) $145,200. R. C. Mattingly, (a) $42,400; (b) $108,200; (a) and (b) $145,800; (c) grading, $20 an acre; ditching, 25 cts. per cu. yd.; construction, $80 per M. ft. Worswick Street Paving Co., Fresno, (a) and (b) total, $138,870; (c) grading, $4.50 an acre; ditching, 17½ cts. a yd; construction, $85 per M. ft. Noted on Jan. 25.

LEWISTON, IDAHO.—It is reported that Miller & Graves, Engrs., have submitted a report to council showing the cost of the proposed sewer system to be about $99,700. Noted last week.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

AUBURN, N. Y.—Bids are asked until April 1 for the collection and disposal of garbage for a term of years from Dec. 1, 1906. A. F. Hodgman, Chn. Com. (Advertised, Engineering News.) Plans and specifications for this work are on file at offices of Engineering News, New York and Chicago.

OSWEGO, N. Y.—Bids are asked until 10 a. m., March 22, for the construction of a crematory building and the construction and erection of a garbage crematory at Fort Ontario. Lieut. Henry H. Hall, Constr. Q. M. (Advertised, Engineering News.)

BALTIMORE, MD.—Bids are asked until 11 a. m., March 7, for selling or renting two flushing machines for use in the street cleaning department. J. L. Wickes, Comr. St. Cleaning. Harry F. Hooper, City Register.

LEXINGTON, KY.—It is reported that the contract for constructing a garbage crematory (bids opened Jan. 4) has been awarded to DIXON GARBAGE CREMATORY CO., of Toledo, O., for $12,010.

ALBUQUERQUE, N. MEX.—The contract for collecting garbage has been awarded FLETCHER MITCHELL. According to the resolution passed, the city will purchase the site, and Mr. Mitchell will construct the crematory. The estimated cost is $15,000.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

PORTLAND, CONN.—SAMUEL NELSON, of this town, has been awarded a contract for grading 1,800 ft. of roadway here, at $2,400.

COBLESKILL, N. Y.—Bids are asked until 1 p. m., March 19, for paving several streets with brick or macadam and constructing sewers in same. William H. Golding, Village Clk.

ROCHESTER, N. Y.—Local press reports state that a board of contract probably will receive bids on all kinds of pavement for East Ave. about March 1. Edwin A. Fisher is City Engr.

NIAGARA FALLS, N. Y.—Board of Public Works has awarded the contract for paving Niagara St. with asphalt blocks to the INTERSTATE PAVING CO., at $2.45 per sq. yd.

NEW YORK, N. Y.—Bids are asked by Louis F. Haffen, Pres. Boro. of Bronx, until 11 a. m., March 1, for asphalt, granite block and asphalt block paving, grading, curbing, etc., on various streets in the Borough of Bronx.

BUFFALO, N. Y.—H. P. BURGARD, Prudential Bldg., Buffalo, is stated to have secured the contract for paving a section of Curtis St. with asphalt for $37,513.

NEW YORK, N. Y.—Bids are asked until 11.30 a. m., March 6, by the Commissioners of the Common Lands Fund of the late town of Gravesend, N. Y., for regulating and macadamizing the Sheephead Bay Road and Jerome Ave., requiring about 7,100 sq. yds. of macadam pavement. George B. McClellan, Herman A. Metz, W. V. B. Bennett, Comrs.

CORNING, N. Y.—Bids are asked by Bd. of Pub. Works until noon, March 15, for laying about 4,625 lin. ft. of brick pavement. R. H. Canfield, Supt. Pub. Works. (Advertised, Engineering News.)

JERSEY CITY, N. J.—It is reported that the contract for 4,886 sq. yds. asphalt pavement on Oxford Ave. (bids opened Feb. 3) has been awarded to UVALDE ASPHALT PAVING CO., 16 Broadway, New York, at 84 per cent. of the standard of cost.

BRISTOL, PA.—This township will offer $50,000 of road bonds for sale on March 1.

WILMINGTON, DEL.—Specifications are being prepared for the proposed improvement of the New Castle causeway. The cost is estimated at $10,000, and not $4,000, as previously stated. Bids will be asked in a short time. M. Boughman is City Engr.

ROANOKE, VA.—It is reported that the city has let a contract to the SOUTHERN CONTRACTING CO., Norfolk, Va., for street paving, at about $40,000.

PHOEBUS, VA.—It is stated that this town is arranging for the laying of about 26,000 sq. yds. of street paving. The cost and kind of pavement will be determined by bids and samples received. L. P. Furness is Mayor.

NORFOLK, VA.—The city councils and the board of supervisors of Norfolk County will cooperate in the construction of a boulevard from Norfolk to the exposition grounds, a distance of about seven miles. Frank Hitch, care of Frank Hitch Lumber Co., of this city, is Chn. Com.

SUFFOLK, VA.—Lee Shafer, Town Engr., has made plans and specifications for improving various streets. They will be paved with different kinds of material, but bitulithic will be used on the principal streets. It will take about 2,000 lin. ft. of curbing, and the cost of the work will be about $93,037. Work will commence about March 15, according to reports.

MACON, GA.—The issuance of $500,000 of bonds is being considered for macadamizing the roads of Bibb County. R. L. Henry is Chn. Bibb County Comrs.

ATLANTA, GA.—Bids are asked by the Mayor and General Council until March 5 for the construction of the South Boulevard underpass, consisting of approximately 1,500 cu. yds. of concrete, 9,000 cu. yds. of excavation and 1,700 sq. yds. of granite paving. R. M. Clayton, City Engr.

JACKSONVILLE, FLA.—The construction of a boulevard from this city to Palatka is under consideration by county commissioners.

MONTGOMERY, ALA.—Bids are asked until March 5 for paving Mildred St. with vitrified brick. R. S. Williams, City Engr.

NEW DECATUR, ALA.—Reports state that the city will shortly vote on the issuance of from $100,000 to $150,000 of bonds for extending streets and erecting additional school buildings.

MOBILE, ALA.—It is stated that plans are being prepared for paving work to cost about $200,000.

HUNTSVILLE, ALA.—This city will issue $10,000 of bonds for street improvements and vitrified brick probably will be the material used.

MONTGOMERY, ALA.—Montgomery county will expend $100,000 in building and repairing roads. M. B. Houghton is Pres. of Bd. of Revenue; J. T. Bullen is County Engr.

SHREVEPORT, LA.—Committee of council has recommended acceptance of the bid of the Cleveland Trinidad Paving Co., Cleveland, O., for paving about 8,200 sq. yds., at $2.17 per sq. yd.

LAKE CHARLES, LA.—Bids are asked until 8 p. m., March 20, for paving an area of about 26,000 yds. C. H. Winterhaler, Mayor; Frank Shutts, City Engr.

COVINGTON, KY.—Ordinances providing for improving several streets by brick paving, curbing, etc., have been presented to council. Estimated cost, $24,000.

CLEVELAND, O.—Bids are asked until 11 a. m., March 7, for grading a section of Granger Road. Julius C. Dorn, Clk. Bd. County Comrs.; William H. Evers, County Engr.

BARNESVILLE, O.—It is stated that bids will be asked soon for furnishing quantities of limestone for constructing the Barnesville and Hendrysburg highway.

PEORIA, ILL.—Paving contracts for work on Linn St. and Western Ave. have been awarded to J. S. ALLEN at a total of $12,113.

ELYRIA, O.—Bids are asked until noon, Feb. 28, for paving several streets with brick, sheet asphalt, block asphalt or natural asphalt rock. Rose Moriarty, Clk. Bd. Pub. Service.

FORT WAYNE, IND.—It is stated that the board of public works will ask for bids about March 1 for sheet asphalt and brick paving. E. J. Lennon is Pres.; F. Randall is City Engr.

HUNTINGTON, IND.—It is reported that this city contemplates about 40,000 yds. of macadam, brick or asphalt paving this spring. H. H. Wagoner is City Engr.

AUBURN, IND.—This city will pave Eighth and Ninth Sts. with asphalt, according to reports. F. R. McDowell, City Engr., will ask for bids about April 1.

SOUTH BEND, IND.—Bids are asked, it is reported, until March 1, for paving several streets with brick and asphalt. William McInerney, Chn. Bd. Pub. Works.

NEW ALBANY, IND.—THE MARION CONSTRUCTION CO., of Indianapolis, has been awarded a contract to pave Vincennes St. with vitrified brick, at a total of $60,000.

MADISON, IND.—Bids are asked until March 8 for constructing 3,352 ft. of macadam road in Madison and Hanover townships. C. F. Crozier, County Audr.

ANN ARBOR, MICH.—It is stated that bids are asked until Feb. 28 for paving an area of about 93,000 sq. yds. with brick creosodone block or bitulithic. Ross Granger, City Clk.

LANSING, MICH.—Plans and specifications for paving Michigan Ave. at an estimated cost of $55,878, and for paving Franklin Ave. at an estimated cost of $17,524, have been approved by council. H. A. Collar is City Engr.

MADISON, WIS.—It is reported that this city will be ready for estimates about March 1 for three miles of macadam paving. John Icke is City Engr. and Chn. Bd. Pub. Wks.

RHINELANDER, WIS.—T. J. McGRATH is stated to have received the contract for macadam work on several streets, at $14,676.

MILWAUKEE, WIS.—Contracts for resurfacing two streets have been let to MARK LEE, at $1.43 per sq. yd.

DAVENPORT, IA.—Council has voted to pave Seventh Ave., at a cost of $3,000.

We are officially advised that this city will pave about 60,000 sq. yds. with asphalt, brick and creosote blocks, at an estimated cost of about $127,000. Thomas Murray is City Engr.

DES MOINES, IA.—Bids are asked until 11 a. m., March 1, for paving several alleys with vitrified brick, an area of about 2,500 sq. yds. W. W. Wise, Chn. Bd. Pub. Wks.

DES MOINES, IA.—It is stated that bids are asked until 11 a. m., March 2, for paving several streets with asphalt, aggregating a total area of about 30,000 sq. yds. W. W. Wise, Chn. Bd. Pub. Works.

ST. PAUL, MINN.—J. M. THORNTON is reported to have received the contract for macadam work on Lexington Ave., at $16,195. Bids received Feb. 5 for work on the New Brighton Road were rejected, and new bids will be taken. E. W. Krahmer is County Auditor.

OBERLIN, KAN.—The citizens will lay 100,000 ft. of residence district and 50,000 ft. of business district sidewalks at once, according to reports. Bids, with specifications, are invited from cement, vitrified brick and stone contractors. Address Joseph H. Young.

INDEPENDENCE, KAN.—J. B. KIRK, of Iola, Kan., has been awarded the contract for improving Tenth St., according to official advices, at $18,194. T. N. Sickles is City Clk.

GREAT FALLS, MONT.—Bids are asked until 8 p. m., March 5, for repaving a portion of Central Ave. W. P. Wren, City Clk.

KANSAS CITY, MO.—We are officially informed that this city will let contracts for asphalt paving, covering eleven streets, amounting to 37,000 sq. yds., about Feb. 28. E. A. Harper is City Engr.

LITTLE ROCK, ARK.—An ordinance has been introduced in council providing for the improvement of 17 streets. E. A. Kingsley is City Engr.

EL PASO, TEX.—Plans and specifications have been prepared for paving the streets of the business section of this city. Bids will be asked shortly.

NORTH YAKIMA, WASH.—J. M. Snow, State Highway Comr., Olympia, has stated that "surveys have been completed for the new state road to extend from Bethel, ten miles east of of Napavine, to North Yakima, a distance of 133 miles. Contracts for construction will be let in about sixty days, the road costing about $3,000 per mile, or $500,000 for its entire extent."

BOISE, IDAHO.—The contract for paving several streets in this city was awarded on Feb. 8 to the WARREN CONSTRUCTION CO., represented by W. L. Archambeau, Secy., Portland, Ore., at $103,985 for bitulithic. Other bids were as follows: J. W. Baylor, Walla Walla, Wash., representing the Barber Asphalt Paving Co., $86,185, $90,425 and $85,415; Fred. T. Sherman, Seattle, Wash., representing the Independent Asphalt Paving Co., $87,354 and $90,584; Rankin & Jackson, Boise, for part only, $36,000.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

NEW BEDFORD, MASS.—It is reported that a new mill will be erected here for the manufacture of yarn. Abbott P. Smith and Rufus A. Soule, Jr., are interested.

ALBANY, N. Y.—It is reported that the Albany Steam Trap Co. has purchased the Doncaster foundry on North Pearl St. and will remodel the same for a foundry and machine shop. James H. Blessing is Secy.

NEW YORK, N. Y.—We are officially informed that bids are being taken by E. Wilbur, Arch., 129 Liberty St., for the construction of a 5-story brick factory at 435 Fifth Ave., for the Ives Estate of 18 William St., New York.

NEWARK, N. J.—The erection of an additional 3-story building is being planned by the Universal Castor & Foundry Co., Newark.

ITHACA, N. Y.—It is reported that the Hygeia Ice Co., of Ithaca, will erect a cold storage and water distilling plant here. George E. Berna, Ithaca, is Pres.

NEW YORK, N. Y.—Plans are in progress for a foundry for Robert Hoe & Co., 504 Grand St., at Broome and Tompkins Sts., New York. The building will be three stories, fireproof, brick and stone, 100 × 200 ft. E. L. Shattuck, 504 Grand St., New York, is Arch.

SYRACUSE, N. Y.—We are advised that the Frazer & Jones Co. will erect a foundry at Solvay. Frederick Frazer, Syracuse, is Pres. Charles R. Jones, Syracuse, is Secy. and Treas.

Plans are in progress for a factory building for West Bros. here. The new building will be equipped for the manufacture of knit goods. Gordon Wright, Syracuse, is Arch.

TRENTON, N. J.—Plans are in progress for automobile factory at this place. A. Swan, Broad St. Bank Bldg., Philadelphia, is Arch. Brick, one story, 100 × 300 ft.

We are advised that plans are in progress for an addition to silk mill for F. A. Straus & Co. H. E. Finch, 136 East State St., Philadelphia, Pa., is Arch. Brick, three stories, 50 × 200 ft.

JERSEY CITY, N. J.—The Cockburn, Barrow & Machine Co., 240 Eleventh Ave., Jersey City, will erect a factory at 13th St. and Monmouth Ave. The new building will be mill construction, two stories, 100 × 350 ft. J. T. Rowland, 15 Exchange Place, Jersey City, is Arch.

NEWARK, N. J.—Plans have been completed for a factory on Oliver St., for M. Heitz. Building will be three stories, brick, 60 × 100 ft. Pigott & Mathesius, Newark, are Archs.

ALLEGHENY, PA.—Plans are in progress for a $300,000 brewery in the Sixth Ward. Ernst & Hanselman, House Bldg., Pittsburg, are Archs.

HOBOKEN, N. J.—Plans have been completed and bids are in for the construction of a factory at 15th and Jefferson Sts., Hoboken, for J. Schwarzwalder & Sons, 629 West 51st St., New York. Equipment now being considered. G. Brockhaus, Hoboken, N. J., is Arch.

VALDOSTA, GA.—It is reported that the Henderson-Cranford Buggy Co. will rebuild its plant recently destroyed by fire at a loss of $90,000.

ATLANTA, GA.—We are advised that plans are in progress for a 5-story mill construction factory building for the Fulton Bag & Cotton Mills. Long & Witchell, Dallas, Tex., are Archs.

COLUMBUS, GA.—It is reported that a site has been selected for the erection of a paper mill here. An expenditure of $100,000 will be made for the manufacture of paper from wood pulp. C. K. Hartzwell, Pittsburg, Pa., is interested.

CONCORD, N. C.—We are advised that the plant of the Yorke Furniture Co. will be rebuilt.

GREENVILLE, S. C.—It is reported that the Southern Railway Co. will erect a roundhouse here to accommodate 18 locomotives, at a cost of $100,000. D. W. Lum, Washington, D. C., is Ch. Engr.

NASHVILLE, TENN.—It is reported that Deeds & Hirsig contemplate the erection of a $40,000 plant for the manufacture of vehicles.

MEMPHIS, TENN.—We are informed that J. N. Oliver will erect a cold storage plant to be operated by the Memphis Cold Storage Warehouse Co. The building will be eleven stories, brick and stone, 63 × 125 ft. Alsup & Wood, 544 Randolph Bldg., Memphis, are Archs.

CHATTANOOGA, TENN.—S. H. Turnell, of Madison, Ga., is organizing a company with a capital of $100,000 for the purpose of manufacturing the Mallory plow. They propose to build a plant at once.

TOLEDO, O.—It is reported that the Central Wire Fence & Post Co. has decided to build a new plant.

YOUNGSTOWN, O.—It is reported that the Youngstown Macaroni Co. will erect a 3-story brick factory, 80 × 100 ft. A. Onorato, 102 South Watt St., is Pres.

LIMA, O.—The Lima Locomotive & Machine Works has bought additional real estate in the vicinity of the Lake Erie & Western Railroad, on which additional shops will be erected.

BARBERTON, O.—The Pittsburg Valve & Fittings Co., Pittsburg, Pa., has decided to increase its capital stock from $500,000 to $1,000,000, and will erect an addition to its plant here.

BUCYRUS, O.—The Bucyrus Steel Castings Co. has awarded the contract to INDIANA BRIDGE CO., Muncie, Ind., for the structural work for the new steel foundry building, which it will erect this spring.

SANDUSKY, O.—The Ohio Structural Iron Co. will erect an addition to its plant for the manufacture of structural iron work and iron fencing.

WARREN, O.—Bids are asked by Myers Bros. until April 1 for construction of 2-story steam laundry building. B. T. Phillips, 414 Union St., Warren, O., is Arch.

WOODVILLE, O.—It is reported that a new plant will be erected by the Urschel-Bates Valve Bag Co. for the manufacture of an automatic valve bag filling machine. J. J. Urschel is Mgr.

MARION, O.—The Houghton-Marble Co. will erect a 3-story carriage factory, 90 × 165 ft. W. T. Mills, Arch., 601 McCune Bldg., Columbus, is preparing plans.

PORT CLINTON, O.—We are informed that the American Gypsum Co. will let contracts at once for a steel frame calcining mill. Entire equipment will also be wanted. E. L. De Vose is Mgr.

CLEVELAND, O.—We are informed that the A. J. Rich Co., of this city, will erect a new plant here.

TERRE HAUTE, IND.—The Phoenix Boiler Works Co., of Terre Haute, has incorporated for the purpose of building a plant to manufacture boilers, engines, metallic stacks, architectural sheet iron and steel, and to take contracts to install plants. Edward F. McElfresh is Pres.

RUSHVILLE, IND.—We are informed that plans are in progress for a brick and tile factory for Madden & Co., of this city.

MUNCIE, IND.—Plans are in progress for an addition to the factory of the Boldt Glass Works.

TECUMSEH, MICH.—Plans are in progress for a 3-story office and factory building for the Anthony Fence Co., at Tecumseh. A. Smith, Cleveland, O., is Engr.

DETROIT, MICH.—Plans are completed and bids are being received for an addition to factory of Holliday Box Co. Addition will be six stories, brick, 80 × 130 ft. John Scott & Co., 518 Moffatt Bldg., Detroit, are Archs.

PLAINWELL, MICH.—Plans have been completed for a new $200,000 paper plant for the Michigan Paper Co. The plant will consist of five buildings.

AURORA, ILL.—The Independent Pneumatic Tool Co., First National Bank Bldg., Chicago, writes us that it is proposed to extend its building at Aurora, and also to buy new machines and equipment.

AURORA, ILL.—The Aurora Patent Screen Co. contemplates the erection of a factory here.

JOLIET, ILL.—Extensive improvements will be made to the Joliet Bridge & Iron Co.'s works here. Cost, $50,000.

DULUTH, MINN.—Plans are completed for a new factory building for the Marshall Wells Hardware Co. on St. Croix St. J. J. Wangerstein, 401 Providence Bldg., is Arch.

MILWAUKEE, WIS.—A site has been purchased by Romadka Bros., at Center and 32d Sts., Milwaukee, for the erection of two buildings for the manufacture of trunks, valises and leather goods. The construction will be brick and steel; cost, $100,000.

MINNEAPOLIS, MINN.—A 5-story factory is to be erected by Whitcomb-Noble Co., and will be used for the manufacture of furniture.

Plans are in progress for a 4-story and basement mill construction building for the J. I. Case Threshing Machine Co., at Washington and Seventh Aves. Cost, $60,000. Kees & Colburn, 603 Kasota Bldg., Minneapolis, are Archs.

BUTTE, MONT.—It is reported that a large packing plant will be erected here by Joseph Toomey, of Deer Lodge, Mont. Estimated cost, $1,000,000.

ST. LOUIS, MO.—We are informed that the St. Louis Brass Co., 1134 Market St., will erect a 6-story slow combustion building on Market, near Eleventh St., to cost $75,000.

KANSAS CITY, MO.—The contract for erecting the 6-story factory building for L. T. Moore, of San Diego, Cal., was awarded to GEORGE J. BROWN & SONS, of this city. The factory will be occupied by Noyes-Norman Shoe Co. and equipped for the manufacture of shoes.

The BARBER ASPHALT PAVING CO., Land Title Bldg., Philadelphia, has been awarded contracts for asphalt paving repairs on two streets, at 89 cts. and 87 cts. per yd.

RICH HILL, MO.—The flouring mill and elevator owned by the Flanagan Milling & Elevator Co. was destroyed by fire. Loss, $250,000. The company proposes to build a new plant.

SPOKANE, WASH.—Plans have been completed for a series of fireproof buildings for the T. B. Schade Brewing Co. Cost, $100,000. Stritesky & Sweatt, 106 Jamieson Bldg., Spokane, are Archs.

ORANGE, CAL.—The Santa Ana Steam Laundry Co. is preparing to establish a plant here.

WEST OAKLAND, CAL.—We are advised that the Southern Pacific Co. will erect shops here at a cost of $1,000,000. The construction will be of brick and steel. J. H. Wallace, San Francisco, is Engr.

SMITH'S FALLS, ONT.—We are informed that the Frost & Wood Co. will rebuild its plant recently destroyed by fire.

VANCOUVER, B. C.—We are advised that the Vancouver Ice & Cold Storage Co. has plans in progress for a 4-story refrigerating plant on Gore Ave. J. J. Logan is interested.

READERS' WANTS FOR THOSE IN THE MARKET

The readers of ENGINEERING NEWS are constantly in the market for great quantities of machinery, tools and general supplies. While our thousand advertisers are usually able to furnish the material desired, yet there are many things wanted by our readers that are not advertised, although connected with engineering and contracting directly or indirectly. This department (R-W) is for this class of inquiries, and we urge our readers to keep us informed. Enclose five cents in stamps and we write to a number of leading manufacturers without further cost. When writing to our advertisers, who are the leaders in their respective lines, mention Engineering News. Have you a copy of our Buyers' Guide? Engineering News Can Help Buyers.

SURVEYING INSTRUMENTS.—Clarksville, Tex.—J. R. Johnson, C. E., writes us that he wants the names of dealers in surveying instruments.

STRUCTURAL PAINT.—Washington, D. C.—J. R. Porter, 406 Bond Bldg., writes us that he wants the names of makers of paint for iron, etc.

BELT DRIVEN ROTARY PUMPS.—Racine, Wis.—Hale Roberts, 728 College Ave., writes us that he wants the addresses of makers of the above.

SAND PAPER MACHINERY.—Mexico.—We are informed that H. L. Rodrigues, P. O. Box 44, Orizaba, Ver., Mex., is in the market for sand paper machinery.

CONCRETE BLOCK MAKING MACHINES.—Martins Ferry, O.—Samuel Young, 503 Vine St., writes us that he is in the market for a machine as noted above.

KNITTING MACHINERY. — Sault Ste. Marie, Mich.—J. M. Brule, 811 Corrie St., writes us that he wants the addresses of manufacturers of knitting machinery.

DREDGING MACHINERY. — Centerville, Ia.—W. W. Berry, Supt. Centerville W.-W., writes us that he wants catalogues from manufacturers of dredging machinery.

OVER-SHOT WATER WHEELS.—Saugerties, N. Y.—W. F. Winchell, Res. Engr. of Sewer Constn., writes us that he wants the names of manufacturers of the above.

OFFICE SUPPLIES.—Cuba.—Catalogues, etc., are wanted of small office supplies, etc., that will be of use in Cuba. Address "E. H. F.," care Engineering News, New York.

CEMENT FOR CONCRETE BLOCKS.—Quebec, Que., Can.—J. O. Montreuil, 22 Maple Ave., writes us that he wants to know the names of cement for use in making concrete blocks.

BLOWERS.—New York, N. Y.—Information is wanted by R. A. Willard, 108 W. 13th St., N. Y., regarding tube blowers, as stated more fully in our miscellaneous want columns.

RELAYING RAILS, ETC.—San Antonio, Tex.—Hardy Greenwood writes us that he is in the market for relaying rails in all weights, including 60-lb. rails, for Texas and western deliveries.

METAL MOLDS FOR CONCRETE CULVERTS.—Howard City, Mich.—The Lisk Bridge & Constn. Co., E. E. Filkins, is in the market for metal molds for building small concrete culverts.

RAILWAY SUPPLIES AND EQUIPMENT.—Saratoga, Wyo.—W. I. Hoklas, Engr. Dept. D. Y. & P. Ry., Saratoga, Wyo., wishes price lists of the above, as stated in our miscellaneous want columns.

13,000 TIES AND RAILWAY EQUIPMENT.—Hanover, Mass.—Geo. E. Morgan, Ch. Engr., Plymouth, Carver & Wortham St. Ry., writes us that he is in the market for the above for the proposed new line.

MEDICATED PLASTERS.—England. — R. Sumner & Co., Ltd., 45 Cable St. and 50a Lord St., Liverpool, Eng., write us that they want the names of manufacturers of machinery for making medicated plasters.

RECORDING INSTRUMENTS.—Montreal, Que.—The Canadian-Buffalo Forge Co., Ltd., writes us that it wants the names of makers of an instrument for recording the percentage of carbon dioxide in the flue gases.

TROLLEY WHEELS.—Chicago, Ill.—Geo. D. Green, Mgr. Mutual Automatic Machine Co., 315 Giddings St., writes us for the name of any device for reducing the wear on trolley wheels, and to prevent the trolley from jumping the wire.

REINFORCED CONCRETE WORK, TANK, ETC.—De Land, Fla.—J. H. Kruse, Supt. Citizens Mfg. Co., writes us that he is in the market for reinforced concrete work for gas boiler and ice houses. He also wants a tank for water and oil.

STEAM METERS.—Anaconda, Mont.—A. J. Hill, 616 Locust St., writes us that he wants the names of makers of appliances to record the quantity of steam used by parties who purchase their supply from central supply stations. He would also like the names of companies that use such appliances.

STONE POLISHING, STONE MOLDING, STONE PLANING, STONE SAWING, STONE FACING AND STONE TURNING MACHINES, RUBBING BEDS, ETC.—Russia.—Anatole J. Fomilyant, machinery supplies, 17 Gogol St., St. Petersburg, Russia, writes us that he is in the market for the above mentioned supplies, and wants catalogues, etc.

STEEL ROLLING DOORS, ELECTRIC HOISTS, TRANSFER TABLES, ETC.; ALSO RAILS, BRIDGES, TIES, POLES, ETC.—Buffalo, N. Y.—T. W. Wilson, of the International Ry. Co., 816 Ellicott Sq., Buffalo, writes us that the above will be required in the improvements to the repair shops, etc., and also material as stated above for the new tracks.

CONCRETE PLANT, 10 HP. GASOLINE ENGINE, CRUSHER, SCREEN, ELEVATOR, CONVEYORS, MOLDS, ETC. — Canada.—The Alberta Eng. & Constn. Co., R. R. Keely, Mgr., Edmonton, Alta., N. W. T., writes us that on account of a combination of interests in the contracting line the company will be in the market for the above, etc.

COMPRESSED AIR ENGINES.—Columbia, S. C.—Shand & Lafage, Mech. Engrs., 1328 Main St., writes us that they want the addresses of makers of compressed air engines intended for a large cotton mill, which consists of several buildings connected by overhead bridges. There will be a conveying system for the manufactured material, driven by motor trucks and cars on a narrow gage road, the motive power being compressed air.

ROCK CRUSHERS, DRYERS, ELEVATING AND CONVEYING MACHINERY, PULVERIZERS, MILL EQUIPMENT, GAS PRODUCERS, GAS ENGINES, ELECTRIC AND POWER PLANT MACHINERY, HOISTING AND MINING EQUIPMENT, ETC.—Port Clinton, O.—The American Gypsum Co., E. L. De Vore, Mgr., writes us that the company is in the market for the above mentioned supplies, as it is intended to make improvements to its entire plant.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

LEAD.—Young..., O.—Bids are asked until noon, Mar... for about ten tons of soft pig lead. ...nder Water-Works.

LEVEE.—Sac..., Cal.—Bids are asked until 8 p. m., ... for construction of a levee on the S... unto River front. M. J. Desmond, City ...

TUNNEL.—... Mich.—Bids will be received until ... 8 by W. S. Kinnear, Engr., for con... ion of the Michigan Central R. R. tunn... under the Detroit River.

EXCAVATION.—... Council Bluffs, Ia.—Bids are asked until ... b. 26 by L. Zurmuehlen, Jr., City Clk., ... excavating Indian Creek, from 16th Av... Eighth St., consisting of about 100,000 ...

GUN CARRIAGES.—Washington, D. C.—Bids are asked until March 3, for supplying Ordnance Dep... U. S. Army, with 23 15-pounder barbette carriages, model of 1903. Brig. Gen. William Crozier, Chief of Ord.

STEEL BARS.—Glendive, Mont.—Bids are asked until March 12 for furnishing about 127,000 lbs. of square steel bars for reinforcement of concrete. Thomas Ryan, Acting Secy., Dept. of Interior, Washington, D. C. (Advertised, Engineering News.)

LOCK.—Rock Island, Ill.—Bids are asked until noon, March 12, for lock in Mississippi River, near Moline, Ill. Specifications, plans and bidding sheet for this work are on file at offices of Engineering News, New York City and Chicago. (Advertised, Engineering News.)

DRAINAGE.—Webster City, Ia.—The Board of Supervisors on Feb. 7 let four drainage contracts, aggregating a total of $100,000, to the NORTHERN CONSTRUCTION CO., of Elkhart, Ind.; the COOK CONSTRUCTION CO., of Des Moines, and HARKER & GERBER, of Williams, Ia.

DITCHES.—Cleveland, O.—Bids are asked by William H. Evers, County Surveyor, until 11 a. m., March 14, for the construction of Dover ditches. The estimated cost of the improvement is 33,260 cu. yds. of unclassified excavation at 22 cts. per cu. yd., and aggregating $7,317.

CEMENT.—Los Angeles, Cal.—Specifications and bidding sheet for furnishing 8,000 to 10,000 bbls. Portland cement are on file at office of Engineering News, New York. E. A. Hitchcock, Secy. Dept. Interior, Washington, D. C. Bids are asked until March 16. (Advertised, Engineering News.)

CEMENT.—Buffalo, N. Y.—The ATLAS PORTLAND CEMENT CO., 30 Broad St., New York, has been awarded the contract for furnishing and delivering 1,850 bbls. of cement at Charlotte, at $1.45 per bbl. in sacks. Bids were opened at Buffalo on Feb. 10. Col. H. M. Adams, Corps Engrs., U. S. A.

CANAL.—Oswego, N. Y.—Bids are asked until March 15 for the work of enlarging the Oswego division of the Erie Canal. The Oswego contract is one of the largest to be let. It consists of the construction of three large locks and two dams, each of the latter to be 32 ft. high and 1,000 ft. long. This contract will call for the expenditure of about $2,000,000.

FIRE ALARM SYSTEM.—Norfolk, Va.—Bids were received on Feb. 10 by Bureau of Yards and Docks, Washington, D. C., for fire alarm system at navy yard, as follows: The Gamewell Fire Alarm Telegraph Co., 19 Barclay St., New York, N. Y., (Item 1), 7,966, (2) two months; George M. Stevens Co., 15 Chardon St., Boston, Mass., (Item 1), $3,750, (2) four months.

DRAINAGE DITCH.—Fairfield, Ill.—The commissioners of Big Mound drainage district No. 1 on Feb. 12 received bids for constructing a 10-mile ditch, which, when built, will drain 12,000 acres of bottom land in the Skillet Fork bottoms, southwest of this city. There was a number of bidders, but the commissioners rejected all bids, and have advertised to receive ned bids on Feb. 23.

FOUNDATIONS.—Cleveland, O.—H. T. Douglas, Jr., Ch. Engr. of the Wabash Ry. lines east of Toledo, has placed a contract with the L. P. & J. A. SMITH CO., of Cleveland, for the construction of the foundations for coal and ore unloading machinery to be installed at the Cleveland docks of the Wheeling & Lake Erie Ry. The work will cost $50,000.

TUNNEL.—Boston, Mass.—Bids are asked until noon, March 6, for constructing section S of the Washington St. tunnel. The structure will be mainly of concrete and steel, and will be for two railway tracks. Specifications and forms of contract can be obtained at 15 Beacon St., Boston Transit Commission, B. Leighton Beal, Secy. (Advertised, Engineering News.)

TEST BORINGS.—New York, N. Y.—The AMERICAN DIAMOND ROCK DRILLING CO., 95 Liberty St., New York, has been awarded the contract for making test borings in the channel and along the shores of the Hudson River, near New Hamburg, N. Y. J. Waldo Smith, Ch. Engr., Board of Water Supply. J. Edward Simmons, Pres. This work was advertised in Engineering News on Jan. 25. The contract price is $75,000.

CEMENT.—Belle Fourche, S. Dak.—The Secretary of the Interior, Feb. 17, awarded to the WESTERN PORTLAND CEMENT CO., of Yankton, S. Dak., which was the lowest bidder, the contract for furnishing from 20,000 to 30,000 bbls. of Portland cement for the Belle Fourche project, South Dakota. The bid of this company was $2.45 per bbl., f. o. b. cars at Belle Fourche, S. Dak.

CEMENT.—Washington, D. C.—Bids were opened Feb. 19, at the office of the U. S. Engineer, Washington, for 9,800 bbls. of American Portland cement, for delivery at Washington filtration plant, as follows: National Mortar Co., 612 F St., N. W., Washington, D. C., "Dragon," or "Old Dominion," at bidder's option, $1.89 in bags; 7½ cts. deduction for return of bags. J. T. Walker's Sons, 204 Tenth St., N. W., Washington, "Edison," $1.75 net; 10 cts. each charge for bags not returned. Atlas Portland Cement Co., 30 Broadway, New York, "Atlas," $1.86 in bbls., $1.91 in bags; 7½ cts. reduction for return of bags. William W. Clark & Sons, Baltimore, "Pennsylvania," $1.90, "Northampton," $2.13, in bags; f. o. b. cars; 5 cts. reduction for return of bags. Grove Lime & Coal Co., 52 O St., N. W., Washington, "Alpha," $1.97; 7½ cts. reduction for return of bags.

LEVEE.—Pekin, Ill.—We are officially advised that contract was let on Feb. 17 (bids received Jan. 20) for levee work at Pekin, to MIDLAND CONTRACTING CO., 607 House Bldg., St. Louis, Mo. The total cost of the work will be $131,790. The bid of the Midland Co. was 11½ cts. a cu. yd. for 1,146,000 cu. yds. of levee work around the Spring Lake Drainage and Levee District. H. T. Puterbaugh is Chn. of the Dist., at Mackinaw, Ill.

PIER.—Portsmouth, N. H.—Bids were received on Feb. 10, by Bureau Yards and Docks, Navy Dept., for pier for the U. S. S. "Topeka," as follows: Lawler Bros., 16 City Sq., Boston, Mass., $17,000; Geo. H. Cavanagh, 166 Devonshire St., Boston, Mass., $16,500; William L. Miller, 19 Milk St., Boston, Mass., $17,334; BERNARD ROLF, 39 Cortlandt St., New York, N. Y., $16,333; O'Brien & Hoolihan Contracting Co., 1722 Park Row, Syracuse, N. Y., $22,950. Mr. Rolf was awarded contract.

BREAKWATER.—New York, N. Y.—We are informed that the following are the bids opened on Feb. 8 by Col. W. R. Livermore, Corps Engrs., U. S. A., for repairing and enlarging the riprap breakwater at (a) Larchmont; (b) Port Jefferson; (c) Glencove; (price given is per ton of 2,000 lbs.); Bonker Contracting Co., New York, (a) $1.34 for 3,135 tons, (c) 99 cts. for 2,425 tons; E. S. Belden & Sons, Hartford, Conn., (a) $1.23 for 3,415 tons, (b) $1.33 for 4,510 tons.

GAS PIPE.—Pittsburg, Pa.—The Ohio Fuel Supply Co. has let a contract for 18,000 tons of pipe to connect its natural gas field in Ohio and West Virginia with Cincinnati. The line will aggregate 135 miles, of which the NATIONAL TUBE CO., of Pittsburg, has a contract for 60 miles, and SPANG, CHALFANT & CO., for 30 miles. The NATIONAL TUBE CO., has also an order for 50 miles of 8-in. pipe for the Union Oil Co., of San Francisco, Cal.

COAL CARS.—Baltimore, Md.—THE SOUTH BALTIMORE STEEL CAR & FOUNDRY CO., of Curtis Bay, Md., has received a contract for the construction of 3,000 steel hopper coal cars, of 100,000 lbs. capacity each, at a cost between $3,000,000 and $3,500,000. 2,000 of these cars will be used by the Fairmont Coal Co. and 1,000 by the Somerset Coal Co. The delivery of these cars is to begin in May and to be completed probably before the end of the year.

DREDGING, ETC.—Brunswick, Ga.—Bids are asked until noon, March 5, for the following work: (1) for dredging and filling from 200,000 to 300,000 cu. yds.; (2) for construction of two piers; (3) for construction of sheds on piers, and four storehouses on shore. The Fore River Shipbuilding Co., Brunswick, Ga. Plans and specifications for this work are on file at offices of Engineering News in New York, Chicago and Washington, D. C. (Advertised, Engineering News.)

PIER.—Atlantic City, N. J.—The PENN BRIDGE CO., of Beaver Falls, Pa., has obtained the contract for the erection of a steel and iron pier for a syndicate headed by Capt. John Young, who built Young's Pier. The two contracts for iron, construction and carpenter work, aggregate about $500,000. Work is to start immediately and the completed structure is to be turned over by July 4. The pier is to be 1,034 ft. in length and will contain a music hall, dancing pavilion, theater, aquarium and a promenade. It is to be situated at Arkansas Ave.

DOCK ADDITION.—Superior, Wis.—The contract for the construction of the new addition to the Northwestern Fuel Co.'s Winter St. dock has been let to FRANKMAN BROS. & MORRIS, of St. Paul, Minn. The work of construction probably will be under way within a month. The crib work will be started soon. The new addition to the dock is to cost approximately $600,000, of which amount about one-half is included in Frankman Bros. & Morris' contract for the building of the sub-structure, crib work, dredging and the like. The remainder will be expended for machinery and making the dock one of the most modern at the head of the lakes. The present dock is 1,200 ft. long and 600 ft. wide. It is planned to build the addition of equal dimensions to the present dock. A feature of the improvement will be the dredging of a slip so that boats can unload from both sides of the dock.

DITCH, RESERVOIR.—Lewiston, Idaho.—Bids are asked by the Waha-Lewiston Land & Water Co., at Lewiston, Idaho, until 3 p. m., Feb. 28, for the construction of 18 miles of flood-water, catchment ditch, four miles of main supply ditch and two storage reservoirs, situated on Craig Mountain, Nez Perce County, Idaho. This work involves the handling of some 310,000 cu. yds. of earth, 298,000 cu. yds. of rock and construction of about 18,000 cu. yds. of concrete and other masonry, and about 4,000 lin. ft. of tunnels. Walter H. Graves, Engr. (Advertised, Engineering News.)

CEMENT.—Minneapolis, Minn.—Bids were received as follows on Feb. 9, we are informed, for furnishing cement for sewer work and paving in 1906: Sewers: 5,000 bbls. of Portland cement, Northwestern Lime Co., St. Paul, f. o. b., net, $1.77; Guarantee Cement & Stone Co., Minneapolis, f. o. b., net, $1.77; delivered, net, $1.85. 5,000 bbls. of natural cement: Landers, Morison & Co., Minneapolis, f. o. b., net, 67 cts. Paving and curb: N. W. Lime Co., St. Paul, f. o. b., net, $1.77; Guarantee Cement & Stone Co., Minneapolis, f. o. b., net, $1.77; delivered, net, $1.85; Landers, Morrison Co., Minneapolis, f. o. b., net, $2.00.

CANAL.—Boise, Idaho.—In connection with the bids received on Feb. 1 for construction of dam, canal, etc., which was fully noted in this column last week, the Secretary of the Interior has awarded the following contracts: Schedule No. 1, for the dam and diverting works on the Boise River, $158,950, to the UTAH FIREPROOFING CO., Salt Lake City, Utah. This contract calls for 15,000 cu. yds. concrete masonry, 5,000 cu. yds. concrete, 10,000 lbs. steel for reinforcing, 325,000 ft. B. M. common lumber, 20,000 lbs. drift bolts, 2,500 cu. yds. fill in crib work, 14,000 cu. yds. wet excavation, 12,000 cu. yds. dry excavation, and 1,000 cu. yds. of riprap. Schedule No. 3, for the main canal from Indian Creek to Deer Flat reservoir, to CONWAY & WILHITE, Star, Idaho, $95,409. The requirements of this contract are for 414,000 cu. yds. of excavation. Schedule No. 4, for structures on canal from Boise River to Deer Flat reservoir, including bridge structures, turnouts, culverts and drops and diverting works from Indian Creek, $48,855, to PAGE & BRINTON, Salt Lake City. Schedule No. 6, for lower Deer Flat embankment and diverting works, $256,550, to HUBBARD & CARLSON, Boise, Idaho. This schedule includes 950,000 cu. yds. of material for embankment, 50,000 cu. yds. of excavation in foundation, 1,500 cu. yds. of concrete, and 20,000 lbs. of steel for reinforcement and in bridge and canopy. The Secretary of the Interior has directed that there be a new advertisement for the work of schedule No. 2, the main south side canal from Boise River to Indian Creek, and also authorizes the Reclamation Service to complete the work of schedule No. 5, the upper Deer Flat embankment and diverting works, by force account under the supervision of the engineers of the Reclamation Service. The award of contract for work on schedule No. 7, for gates and lifting devices, is held in abeyance pending the receipt from the lowest bidder of complete plans and of the appliances which the bidder proposes to furnish.

U. S. POSSESSIONS AND CUBA.

The names of parties awarded contracts are printed in capital letters.

SUCTION DREDGES.—Panama.—Bids are asked by D. W. Ross, Gen. Pur. Officer, Isthmian Canal Comm., Washington, D. C., until 10.30 a. m., March 26, for two seagoing suction dredges.

WHARF.—Guantanamo, Cuba.—Bids are asked until 11 a. m., April 9, for constructing a wharf at the U. S. Naval Coal Depot, Hospital Cay, Guantanamo. William S. Cowles, Chief of Bureau of Equipment, Navy Dept., Washington, D. C. (Advertised, Engineering News.)

CIVIL SERVICE EXAMINATIONS

TOPOGRAPHIC DRAFTSMAN.—Washington, D. C.—The U. S. Civil Service Commission will hold an examination on March 21 to fill vacancies in the position of topographic draftsman in the Post-office Dept. at $900 per year. Form 1312.

LABORATORY ASSISTANT.—Washington, D. C.—The U. S. Civil Service Commission announces the postponement to March 7 of the examination scheduled for Jan. 31, to fill a vacancy in the position of laboratory assistant (qualified in practical optics and skilled in such work as glass grinding and lens making), at $1,000 per year, in the Bureau of Standards. Form 1312.

ARCHITECTURAL DESIGNER, ETC.—Albany, N. Y.—The State Civil Service Commission announces examinations to be held on March 17 for the following positions: architectural designer, $25 to $40 a week; assistant engineer, Onondaga County service, $50 to $75 a month; auditor of highway accounts, $3.50 to $4 a day; building inspector, $5 a day when employed; chief engineer, Onondaga County service, $1,200; highway inspector, Erie County service, $3 a day. The last day for filing applications is March 12. Charles S. Fowler, Ch. Examiner.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 72.

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 17, 1906.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 15th day of March, 1906, and then opened, for the low pressure steam heating apparatus complete in place, for the U. S. Post Office and Court House at Ogden, Utah, in accordance with drawings and specification, copies of which may be had at this office, or at the office of the Superintendent at Ogden, Utah, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 8-2t

U. S. ENGINEER OFFICE, Galveston, Tex., Jan. 24, 1906.—Sealed proposals, in triplicate, for filling at Fort Crockett Reservation, Galveston, Tex., will be received here until 11 A. M., Feb. 23, 1906, and then publicly opened. Information furnished on application. EDGAR JADWIN, Capt., Engrs. 4-4t

U. S. ENGINEER OFFICE, ROCK ISLAND, ILL., Feb. 10, 1906. Sealed proposals for Lock in Mississippi River, near Moline, Ill., will be received here until 12 M., March 12, 1906, and then publicly opened. Information furnished on application. C. S. RICHE, Maj., Engrs. 7-4t

U. S. ENGINEER OFFICE, Widenspoon Bldg., Phila., Pa., Feb. 13, 1906.—Sealed proposals, in triplicate, for constructing or handling machine for dredged material will be received here until 12 noon, March 15, 1906, and then publicly opened. Information furnished on application. J. C. SANFORD, Major, Engrs. 7-4t

BRICK PAVING.

Corning, N. Y.

Sealed proposals will be received until Thursday noon, March 15, 1906, by the Board of Public Works of the City of Corning, N. Y., for laying about four thousand six hundred and twenty-five lineal feet (4,625) of brick pavement. Proposals must be accompanied by a certified check for $250, payable to the City of Corning, N. Y. Plans and specifications can be seen at the office of R. H. Canfield, Supt. of Public Works. The Board reserves the right to reject any or all bids, and to increase or diminish the amount of work to be done.

Address proposals to the Board of Public Works, Corning, N. Y. 8-2t

PROPOSALS FOR FIRE DEPARTMENT APPARATUS AND MISCELLANEOUS SUPPLIES. Office Isthmian Canal Commission, Washington, D. C., February 20, 1906. Sealed proposals, in triplicate, will be received at the office of the General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until 10.30 a. m., March 12, 1906, at which time they will be opened in public, for furnishing Apparatus for Fire Department, Cotton, Hose, Harness, Helmets, Office Furniture, Guide Cards, Refrigerators, Brooms, Brushes, Dining Tables, Safes, Linoleum, Milk Cans, Buckets, Garbage Cans, Belt Lacing, Grindstones, Candles, Paper Shirt Bands, Wrapping Paper, Thread, Buttons, Kitchen Utensils, Chloride of Lime, Cotton Duck, Corporation Cocks, Lead Pipe and Connections, Valve Boxes, Hoods for Valve Boxes, Float Valves, Machine steel, Forage, Rock Salt, etc. Blanks and full information (Circular No. 309) may be obtained from this office or the offices of the Assistant Purchasing Agents, 24 State Street, New York City; Custom House, New Orleans, La.; 36 New Montgomery Street, San Francisco, Cal.; and 410 Chamber of Commerce Building, Tacoma, Wash.; also from Chief Quartermaster, Department of the Lakes, Chicago; Depot Quartermaster, St. Louis; Depot Quartermaster, Jeffersonville, Ind.; Chief Quartermaster, Department of the Gulf, Atlanta, Ga.; and the Commercial Club, Mobile, Ala. D. W. ROSS, General Purchasing Officer. 8-2t

GRADING AND TRACK LAYING.

THE WASHINGTON, BALTIMORE & ANNAPOLIS ELECTRIC RY.

Grading, approximately 860,000 cu. yds.

Track laying, approximately 33¾ miles of double track.

Plans and specifications will be on file, on and after February 18th, 1906, at the offices of the Engineers, the Roberts & Abbott Co., Schofield Bldg., Cleveland, Ohio, and Maryland Trust Bldg., Baltimore, Md.

Copies will *not* be forwarded.

Bids will be received at the Baltimore office, addressed The Roberts & Abbott Co., and marked "Proposal for the Washington, Baltimore & Annapolis," until March 10th, 1906.

Data sheets for bidding will be furnished those who go over the route, or otherwise make it evident that they will bid.

Preferably call at the BALTIMORE office. 6-4t

CONSTRUCTING QUARTERMASTER'S OFFICE, Fort Ontario, N. Y., February 20, 1906. Sealed proposals, in triplicate, will be received at this office until 10 o'clock A. M., March 22, 1906, and then opened, for construction of a Crematory Building; also for construction and erection of a Garbage Crematory at Fort Ontario, N. Y., according to plans and specifications in this office. Information furnished on application. United States reserves right to reject any or all bids. Proposals should be marked "Proposals for Garbage Crematory," addressed to LIEUT. HENRY H. HALL, Constructing Quartermaster. 8-4t

DEPARTMENT OF THE INTERIOR, Washington, D. C., February 19, 1906.—Sealed proposals will be received at the office of the United States Reclamation Service, Glendive, Mont., until 10 o'clock a. m., April 12, 1906, for furnishing from 8,000 to 12,500 barrels of Portland cement, f. o. b. cars at bidder's mill. Particulars may be obtained by application to the Chief Engineer of the Reclamation Service, Washington, D. C., or to the Project Engineer, Glendive, Mont. E. A. HITCHCOCK, Secretary. 8-6t

PROPOSALS FOR WATER SYSTEM, Norfolk, Va., Headquarters U. S. Marine Corps, Quartermaster's Office, Washington, Feb. 20, 1906.—Sealed proposals, in duplicate, will be received at this office until ten a. m., March 13, 1906, and then be publicly opened, for the construction at the Marine Barracks, Navy Yard, Norfolk, Va., of a water system, including city water supply, main sewer and electric work. Proposal blanks, plans, specifications and other information may be obtained at this office or from the Assistant Quartermaster, Marine Barracks, Navy Yard, Norfolk, Va. The right is reserved to reject any or all bids and to waive informalities. F. L. DENNY, Colonel, Quartermaster, U. S. Marine Corps. 8-2t

TREASURY DEPARTMENT, Office of the Supervising Architect, Washington, D. C., February 17, 1906.—Sealed proposals will be received at this office until 3 o'clock P. M. on the 14th day of March, 1906, and then opened, for the installation of a conduit and electric wiring system for the U. S. Post Office and Court House at Ogden, Utah, in accordance with drawings and specification, copies of which may be had at this office, or at the office of the Superintendent of Construction at Ogden, Utah, at the discretion of the Supervising Architect. JAMES KNOX TAYLOR, Supervising Architect. 8-2t

CORPORATION COCKS.

Youngstown, O.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock noon, Friday, March 2d, 1906, for 700 or less corporation cocks, to be used with Mueller tapping machine.

Specifications may be seen and blank forms for bids had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person interested, and accompanied by a sufficient bond or a certified check of $200.00, that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.

G. T. PROSSER,
Clerk.

8-1t

WATER METERS.

Youngstown, O.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock, noon, Friday, March 2d, 1906, for

200 or less ⅝" water meters.
75 or less ¾" water meters.
30 or less 1" water meters.
5 or less 1½" water meters.
20 or less 2" water meters.
5 or less 3" water meters.
1 or less 4" water meters.

Specifications may be seen and blank forms for bids had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person interested, and accompanied by a sufficient bond or a certified check of $300.00, that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.

G. T. PROSSER,
Clerk.

8-1t

400 TONS WATER PIPE.

Youngstown, O.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock, noon, Friday, March 2, 1906, for 400 tons or less of cast-iron water pipe and 15 tons of special castings.

Specifications may be seen and blank forms for bids had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person interested, and accompanied by a sufficient bond or a certified check of $500.00, that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.

G. T. PROSSER,
Clerk.

8-1t

FIRE HYDRANTS.

Youngstown, O.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock, noon, Friday, March 2d, 1906, for 50 or less fire hydrants.

Specifications may be seen and blank forms for bids had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person interested, and accompanied by a sufficient bond or a certified check of $300.00, that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.

G. T. PROSSER,
Clerk.

8-1t

DEPARTMENT OF THE INTERIOR, Office of Superintendent U. S. Capitol Building and Grounds, Washington, D. C., January 27, 1906. Proposals (in duplicate) will be received and opened at the above office Wednesday, February 28, 1906, at 1 o'clock P. M., for cast-iron soil and drain pipe and fittings therefor, to be used in connection with the plumbing work for the Office Building, United States Senate. Plans and specifications are ready for issue and will be sent to competent intending bidders upon application. The right is reserved to accept or reject any or all proposals, or sections of proposals as set forth on proposal forms, and to waive any informalities or technicalities. Elliott Woods, Superintendant U. S. Capitol Building and Grounds; Approved: E. A. HITCHCOCK, Secretary. 8-4t

TWO 200-HP. BOILERS.

Sealed proposals will be received by the Board of Water Commissioners of Atlantic City, N. J., until 3.30 P. M., March 2, 1906, for Furnishing and Installing Two 200-HP. Boilers at Absecon Pumping Station, in accordance with specifications on file in the office of the Water Department, City Hall.

Each bid must be accompanied by a certified check, made payable to the Board of Water Commissioners of Atlantic City, N. J., for four hundred dollars, which check will be returned on execution of contract and filing of bond by the successful bidder. Should the successful bidder fail to execute contract and file bond within five days after notification of award his check will be forfeited and the award may be made to any other bidder.

As proper security for the performance of the contract a bond acceptable to the Board in the sum of 75% of the contract price will be required and this amount shall be inserted in the contract.

Specifications will be mailed on application to the office of the Water Department.

The right is reserved to reject any or all bids.

LOUIS KUEHNLE,
RUFUS BOOYE,
JAMES PARKER,
Commissioners.

L. VANGILDER, 8-2t
Engineer and Superintendent.

WATER-WORKS AND SEWERS.

Apalachicola, Fla.

Sealed bids will be received at the Council Chamber, by the Board of Public Works, of Apalachicola, Fla., until 10 A. M., March 20th, 1903, for furnishing the following materials: Two Boilers, 66 × 16. Two Pumps of one million gallons capacity each in 24 hours. Boiler Feed Pump and Heater. 60 Hydrants, 61 Gate Valves and Boxes. One Air Compressor.

Furnishing and erecting one 100,000-gallon Tank and Tower, 110 ft. to top of tank.

For constructing complete, Brick Power House, and Suction Basin, Steam piping and setting machinery. Laying about four miles of 6 to 10-inch C. I. water pipe furnished by the City.

Furnishing all materials and laying complete, two and a half to three miles of 6 to 12-inch Sewers, with manholes, etc.

Specifications may be obtained from the Secy. of the Board of Pub. Works, or from the Engineer.

M. BRASH,
Secy. Board Pub. Works.

ARTHUR PEW,
Engineer. 8-2t

GATE VALVES.

Youngstown, O.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock noon, Friday, March 2, 1906, for

6 or less 4" gate valves.
80 or less 6" gate valves.
35 or less 8" gate valves.
6 or less 12" gate valves.
3 or less 20" gate valves.

Specifications may be seen and blank forms for bids had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person interested, and accompanied by a sufficient bond or a certified check of $300.00, that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.

G. T. PROSSER,
Clerk.

8-1t

10 TONS LEAD.

Youngstown, O.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock noon, Friday, March 2d, 1906, for 10 tons or less of soft pig lead.

Specifications may be seen and blank forms for bids had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person interested, and accompanied by a sufficient bond or a certified check of $200.00, that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.

G. T. PROSSER,
Clerk.

8-1t

EXTENSION CURB BOXES.

Youngstown, O.

Sealed proposals will be received by the Board of Public Service of the City of Youngstown, Ohio, until 12 o'clock, noon, Friday, March 2, 1906, for 700 or less extension curb boxes.

Specifications may be seen and blank forms for bids had at the office of the Bd. of Public Service.

Bids shall contain the full name of every person interested, and accompanied by a sufficient bond or a certified check of $200.00, that, if the bid or any part thereof is accepted, a contract will be entered into and the performance of it properly secured.

The Board of Public Service reserves the right to reject any or all bids.

By order of the Board of Public Service.

G. T. PROSSER,
Clerk.

8-1t

WATER MAINS, VALVES, ETC.

Hebron, Ill.

Sealed bids will be received on March 1, 1906, by the Village of Hebron, Illinois, for the construction of a system of cast-iron water main pipe, embracing 11,792 feet of 4, 6, and 8-inch pipe, 20 fire hydrants and the necessary valves and fittings. Any further information can be secured by addressing L. A. NICHOLS, President Board of Local Improvements, Hebron, Ill. 8-1t

DRAWBRIDGE.

Pedricktown, N. J.

Sealed proposals will be received by the joint committee of the Counties of Salem and Gloucester until 1.30 o'clock P. M., Saturday, March 10, 1906, at the Freeholders' room in the Court House at Woodbury, N. J., for the erection of a new Drawbridge over Old Man's Creek at Pedricktown, N. J.

The bridge will consist of one draw span 103 feet in length, and one approach, or stationary span 62 feet in length.

The substructure, general plan and dimensions to conform to the plans and specifications on file at the office of William M. Carter, Engineer, No. 127 South Broad Street, Woodbury, N. J.

Bidders will furnish with bid detail plans and specifications for the superstructure as bid upon. Each bid shall be inclosed in a sealed envelope and delivered to said committee at its meeting at the time and place aforesaid, or may be indorsed "Pedricktown Bridge bid," and addressed to William M. Carter, Engineer, Woodbury, N. J.

The right is reserved to reject any or all bids.

WILLIAM M. CARTER, Engineer.
February 19, 1906. 8-2t

BRIDGE SUPERSTRUCTURES.

The City of Providence,
Department of Public Works,
Commissioner's Office, City Hall,
Providence, R. I., February 21, 1906.

SEALED PROPOSALS, addressed to the Commissioner of Public Works, will be received at this office until 11 o'clock A. M., Wednesday, March 7, 1906, for a steel superstructure to replace the present fixed spans of the Point Street bridge over the Providence River, weight about 580,000 pounds; and the steel superstructure of the Smithfield Avenue bridge over the Moshassuck River, weight about 50,000 pounds. Both of these bridges are of plate girder construction. Plans and specifications may be seen at the office of the City Engineer, City Hall, where blank forms of contract, proposal and bonds may be obtained.

Each proposal must be accompanied by a bond or certified check as liquidated damages for failure to execute the contract within ten days as follows: For Point Street Bridge $1,000, and for Smithfield Avenue bridge $500, and a satisfactory bond, for each bridge, equal to one-third of the estimated value of the work conditioned upon the faithful performance of the contract will be required of the successful bidder.

The right to reject any or all bids is reserved.

WALTER F. SLADE,
8-2t Commissioner of Public Works.

NOTICE TO CONTRACTORS.—Sealed bids for constructing Section 8 of the Washington Street Tunnel, from about 150 feet north of State Street to Hanover Street, will be received by the undersigned at 15 Beacon Street, Boston, Mass., until 12 o'clock M. of Tuesday, March 6, 1906. The structure will be mainly of concrete and steel, and will be for two railway tracks. Specifications and forms of contract can be obtained at 15 Beacon Street, 9th floor. The right to reject any and all bids, and to award the contract as is deemed to be for the best interest of the City of Boston is reserved. By order of the BOSTON TRANSIT COMMISSION, B. LEIGHTON BEAL, Secretary. 7-2t

WATER-WORKS.

Arcadia, Fla.

Sealed proposals will be received by the Bond Trustees of the Town of Arcadia, Fla., until 4 o'clock P. M., March 17, 1906, for Constructing Water Works for the town of Arcadia, Fla., and for furnishing material for same.

Plans and Specifications will be on file and may be seen at the Office of the Chairman of the Bond Trustees, Mr. T. Youmans, and copies of Specifications, Forms, etc., may be obtained from the Engineer. The right is reserved to reject any or all bids.

J. T. YOUMANS,
W. H. SIMMONS,
C. C. CHOLLAR,
Chairman.
W. T. McCORMICK, Engineer.
Arcadia, Fla. 8-4t

DEPARTMENT OF THE INTERIOR, Washington, D. C., February 8, 1906. Sealed proposals will be received at the office of the Engineer, United States Reclamation Service, Glendive, Mon., March 12, 1906, for furnishing about 427,000 pounds of square steel bars for reinforcement of concrete. Particulars may be obtained by application to the Chief Engineer of the Reclamation Service, U. S. Geological Survey, Washington, D. C., or to the Project Engineer, Glendive, Mon. THOS. RYAN, Acting Secretary. 7-4t

OFFICE OF THE CONSTRUCTING OFFICER FOR U. S. SOLDIERS' HOME, Washington Barracks, D. C., February 3, 1906.—Sealed proposals will be received here until noon, February 28, 1906, and then publicly opened, for furnishing twelve thousand barrels, more or less, of Portland cement, to be delivered at the U. S. Soldiers' Home, Washington, D. C. Information on application. JOHN STEPHEN SEWELL, Captain Engineers. 6-3t

SITUATIONS OPEN

DRAFTSMAN, American preferred, familiar with structural, machine shop and foundry work, to act mainly as checker in drafting room and as inspector of shop work. State education, experience, nationality and salary expected. This is a permanent position. Address KERR MURRAY MANUFACTURING COMPANY, Fort Wayne, Indiana. 8-2t

WANTED.—Immediately, two experienced detailers, one detailer and checker on structural steel work. State age, experience and salary expected. GRAINGER & CO., Louisville, Ky. 8-1t

WANTED.—Foreman, with experience in reinforced concrete construction. Apply, giving experience, wages and references. Address "S. A. 8," Engineering News, New York. 8-1t

WANTED.—A graduate engineer with experience in highway bridge and building line, with full knowledge of detailing, checking and designing and with ability to take charge of office and lay out work for others. Good position open with chance of advancement. State age, least salary expected, names of previous employers and length of engagement. State date that you could report for duty. Address "W. B. 8," Engineering News, New York. 8-2t

WANTED.—Two (2) tracers and letterers; must be rapid and neat workmen. Apply, with sample of work, to CHIEF ENGINEER, foot of 43d St., Brooklyn. 8-1t

WANTED.—Young engineers to learn building business. Start as timekeepers with old-established firm of best reputation. Excellent opportunity of advancement for bright men. Address ROOM 94, No. 280 Fourth Ave., N. Y. City 8-4t

WANTED.—A superintendent on reinforced concrete bridge construction; must be thoroughly competent, with engineering experience. One who wants to become actively and financially connected with the company that have a well established business and excellent opportunities for the future. Address "M. 8," Engineering News, New York. 8-1t

WANTED.—Engineer, acquainted with New York and vicinity, who can solicit and run private work; concrete especially. Salary and percentage; give full particulars. Address "W. A. 8," Engineering News, New York. 8-1t

TWO CLERKS WANTED in the office of New York City Engineering Corporation, at a salary of $50 per month. Young men preferred who have begun a technical course. Address "X. B. 3," Engineering News, New York. 8-1t

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